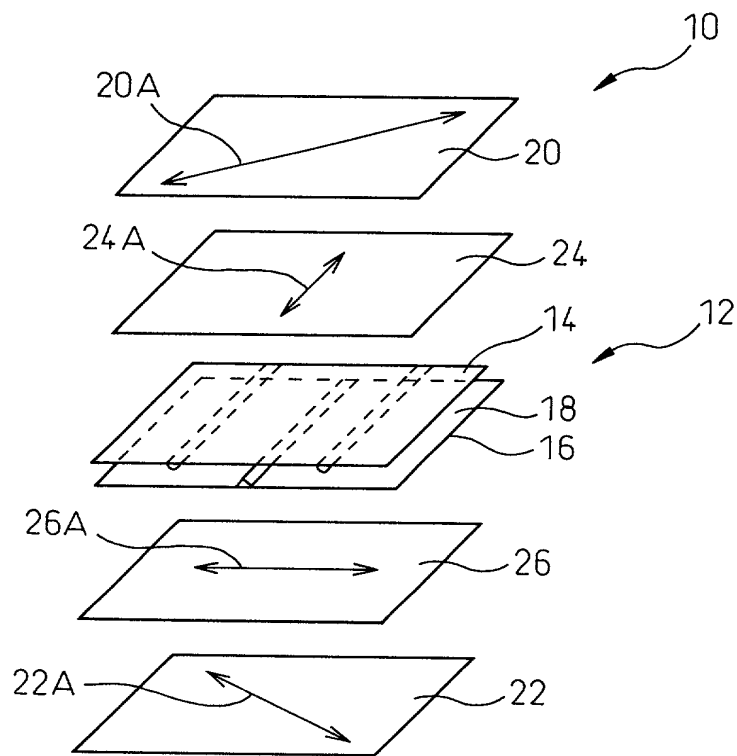


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Fig.1



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Fig.2

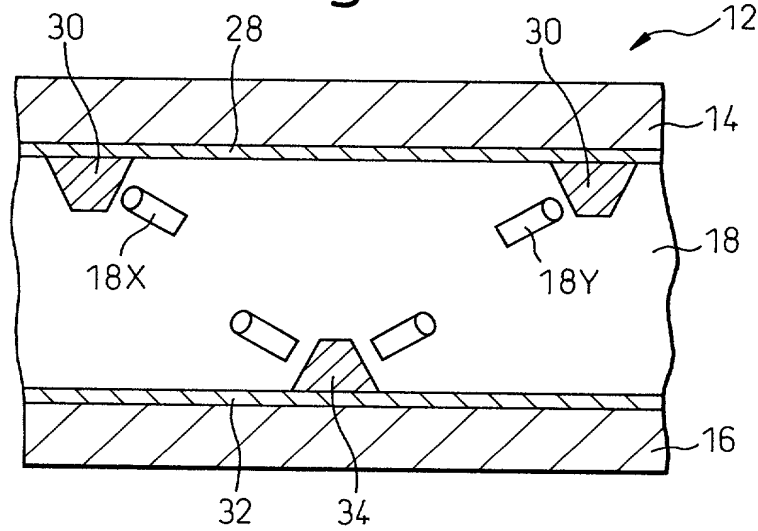
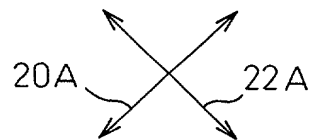
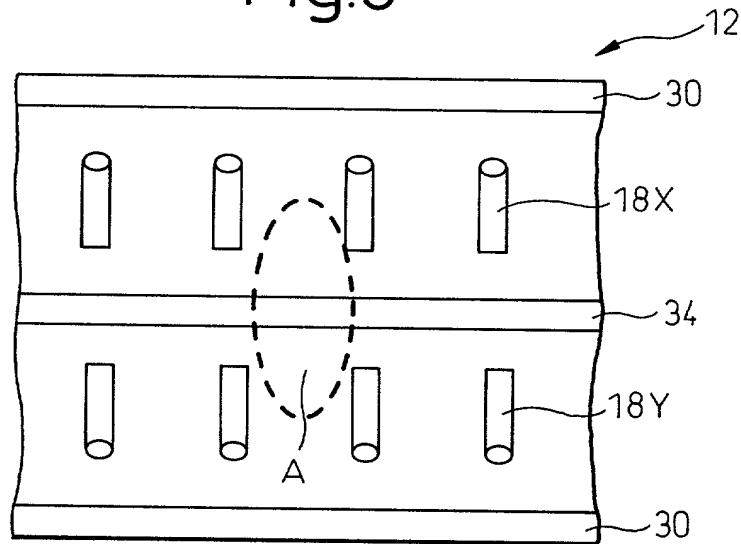


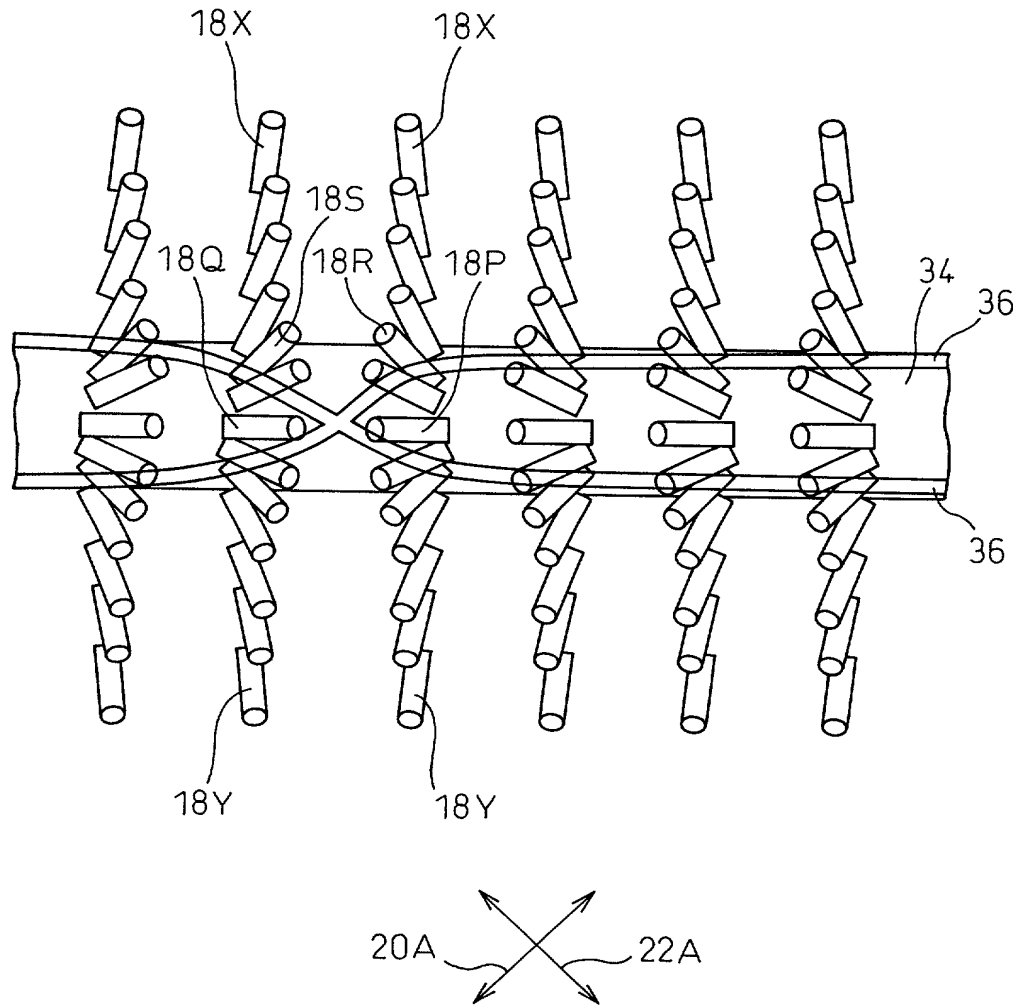
Fig.3



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Fig.4



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Fig.5

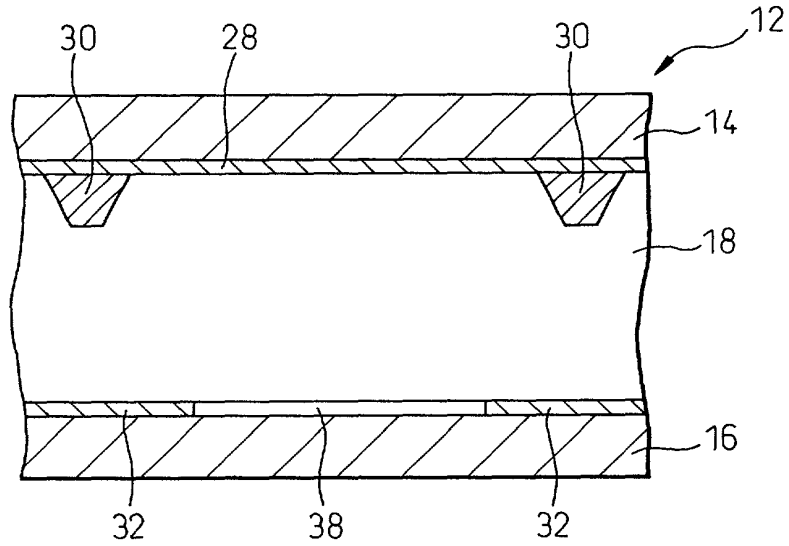
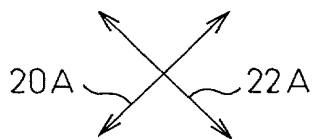
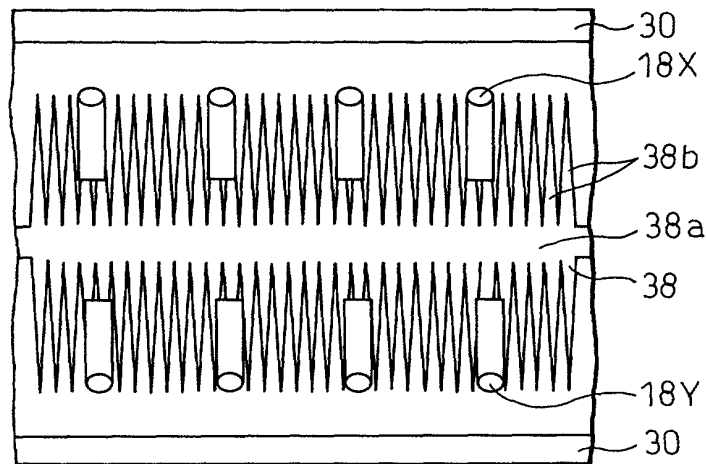


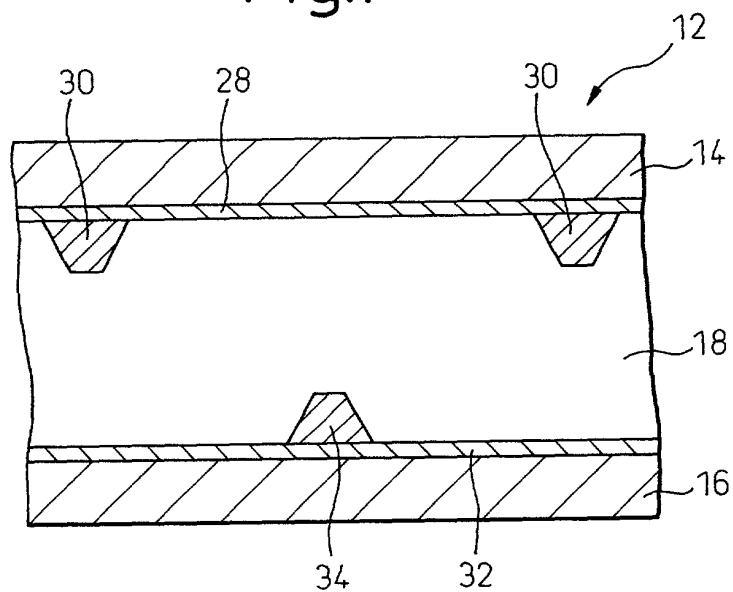
Fig.6



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Fig.7



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FIG. 1 is a perspective view of a grid-like structure 30. The structure consists of vertical bars 34 and horizontal bars 30. Diagonal bars 18A, 18B, 18C, and 18D are positioned within the grid. A coordinate system is shown at the bottom with a vertical arrow 20A and a horizontal arrow 22A.

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Fig.9

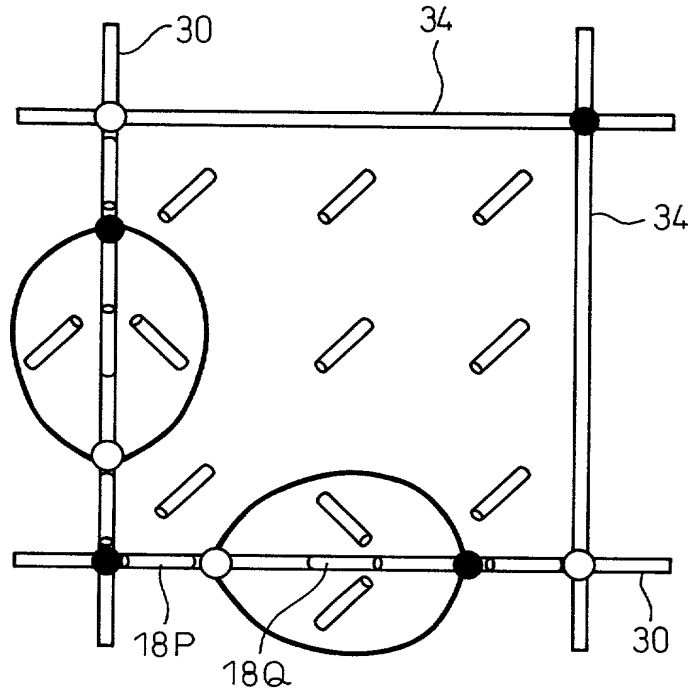
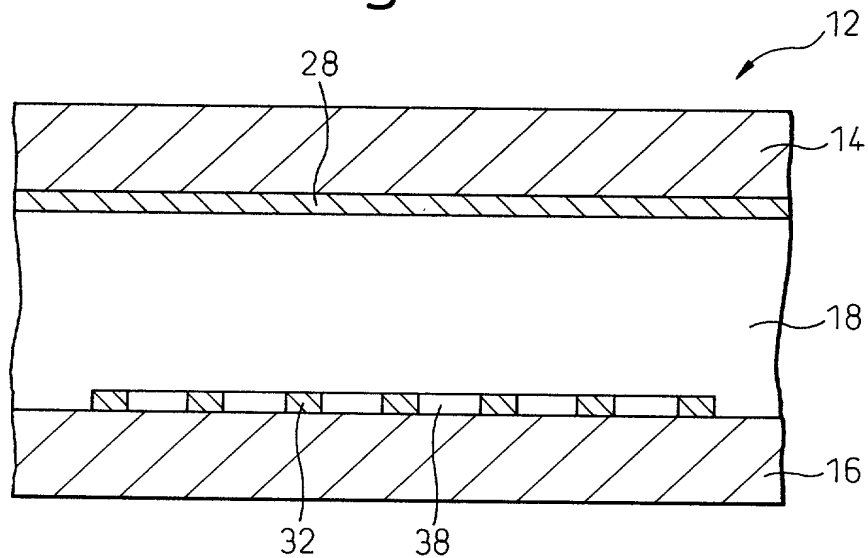


Fig.10



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Fig.11

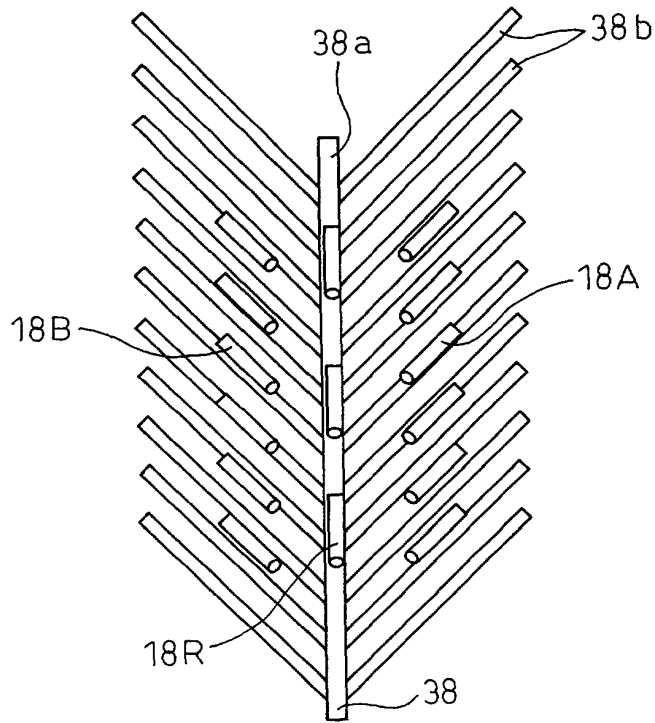
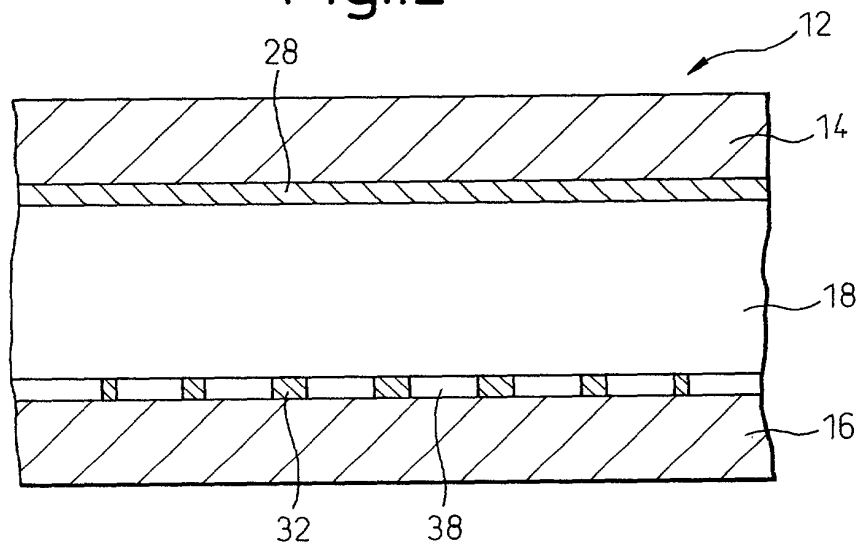
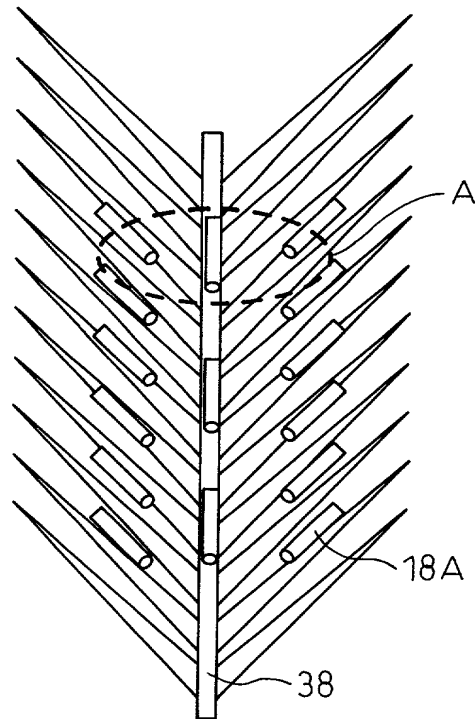


Fig.12



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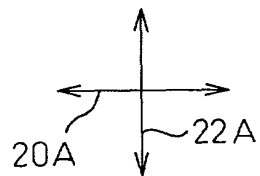
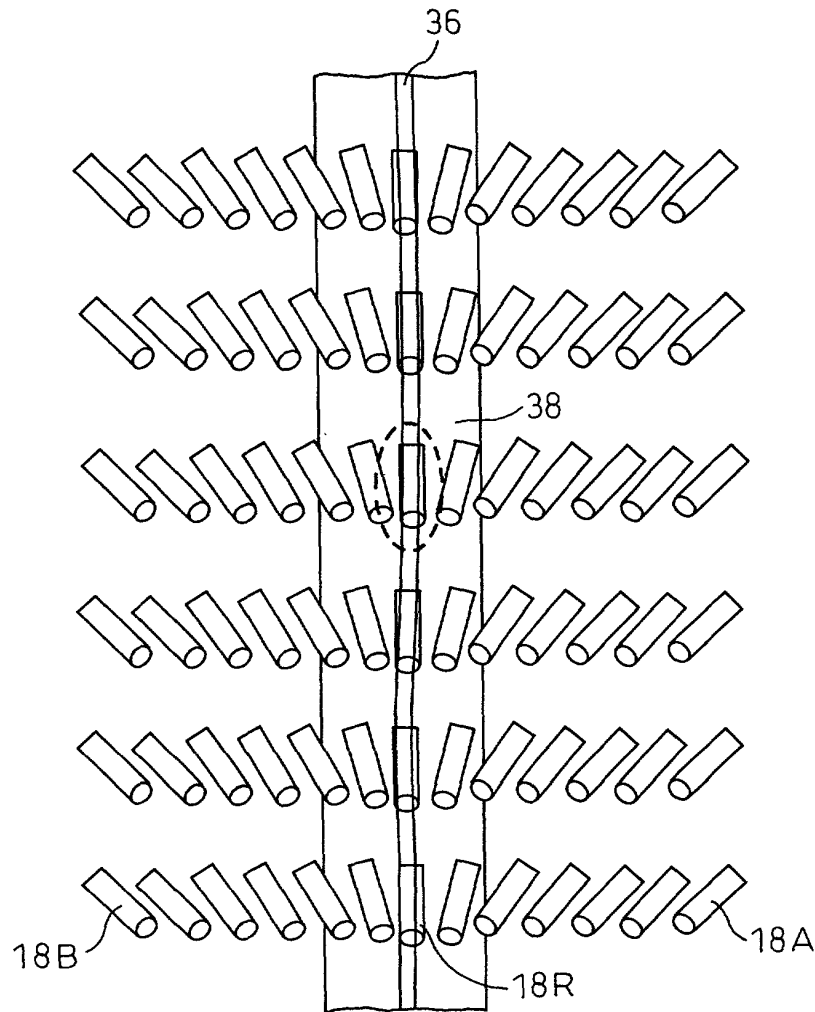
Fig.13



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Fig.14



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Fig.15A

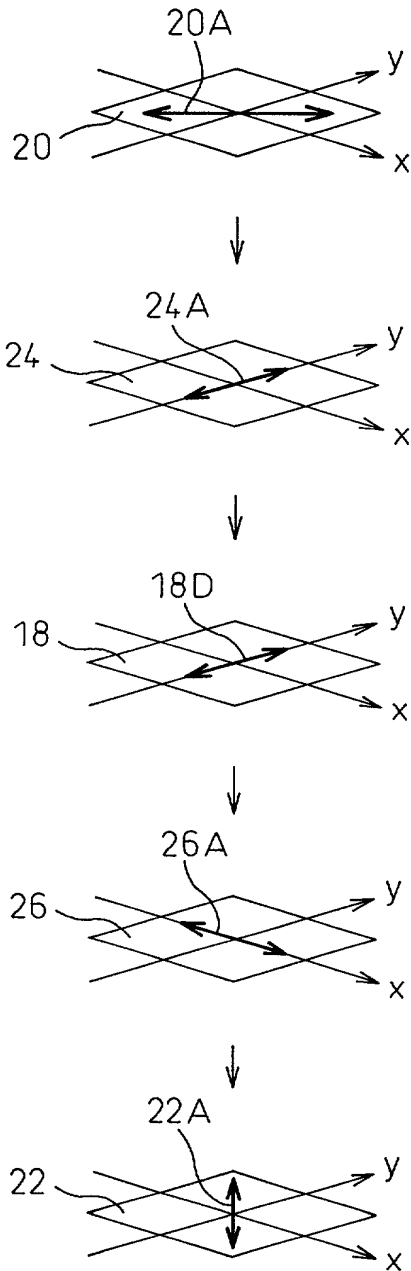
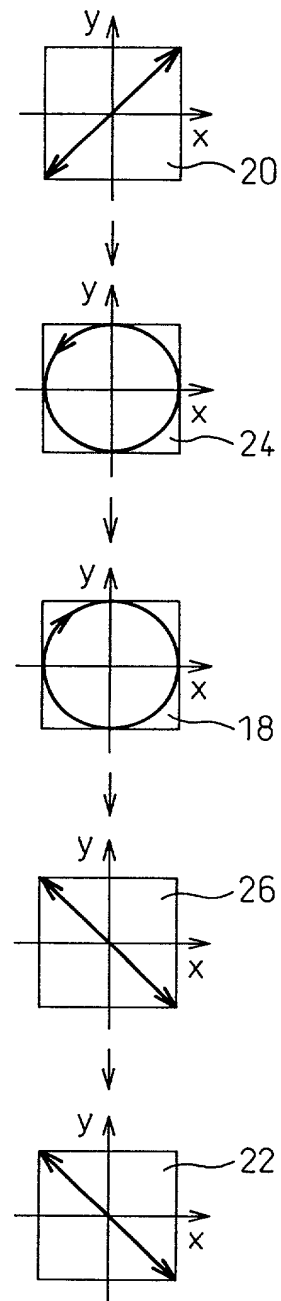
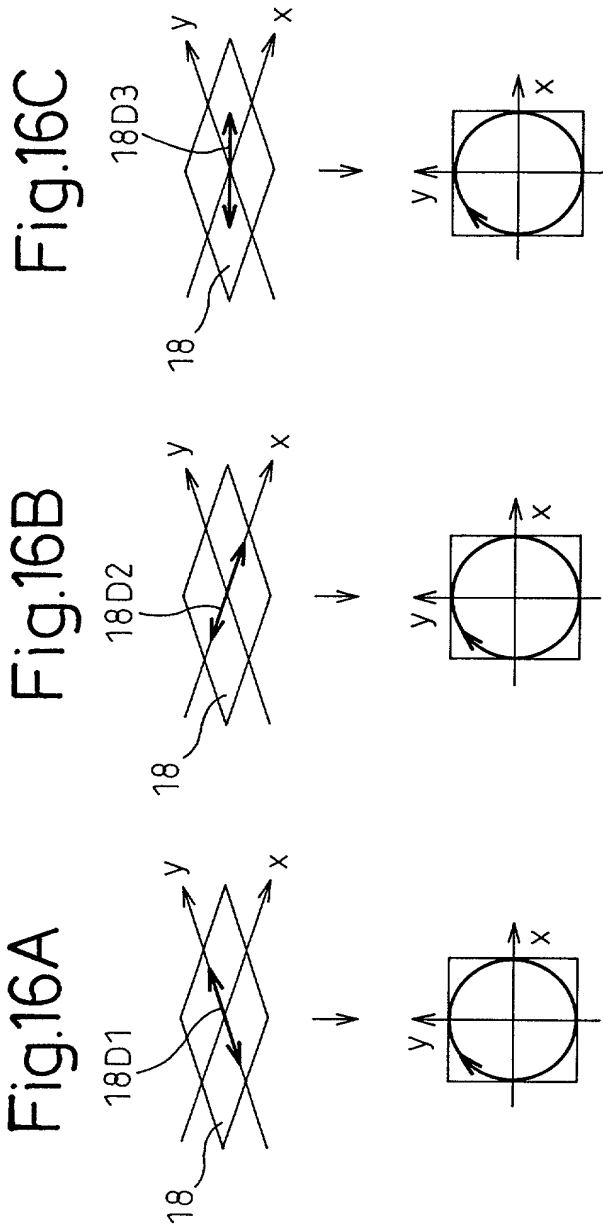


Fig.15B



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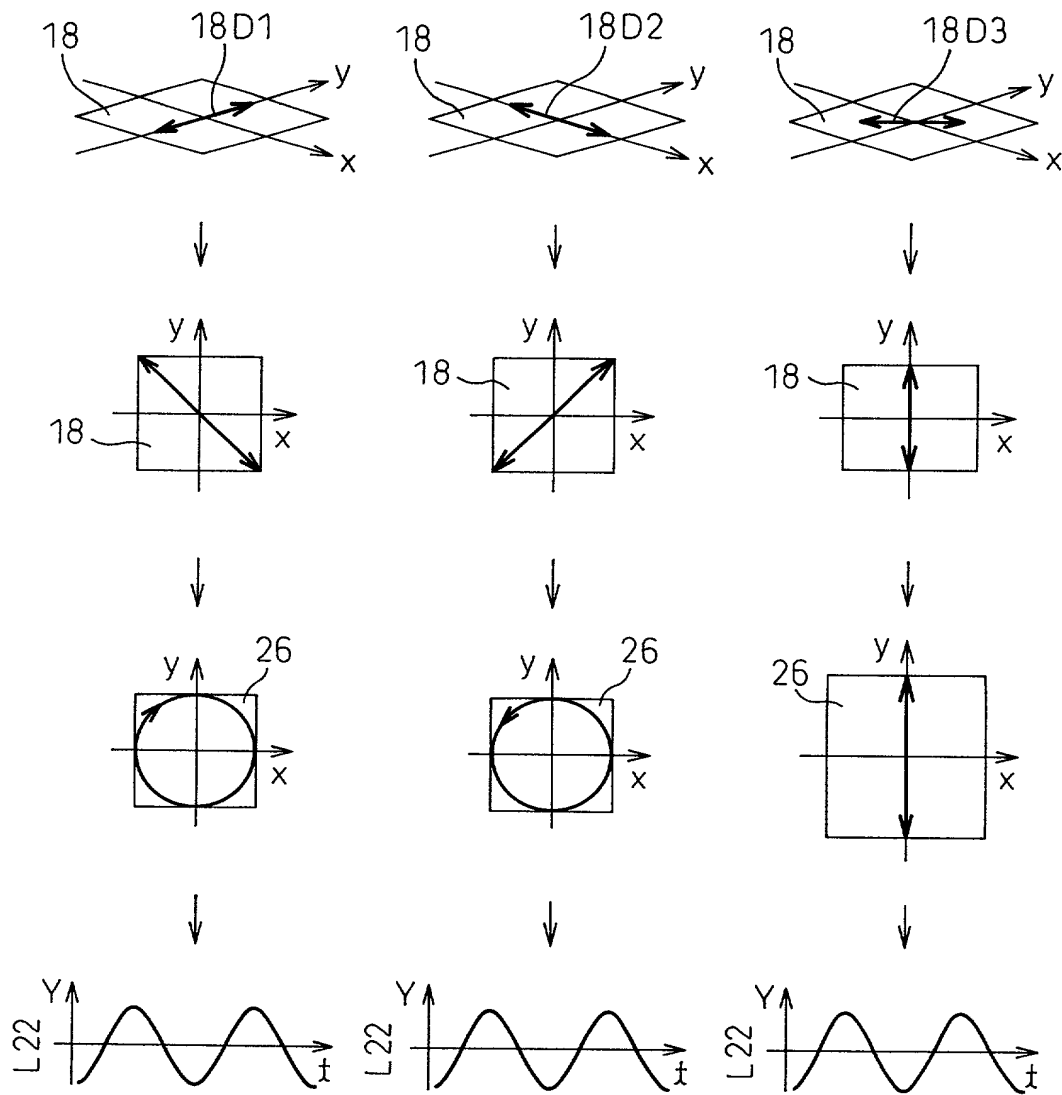


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Fig.17A

Fig.17B

Fig.17C



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Fig.18

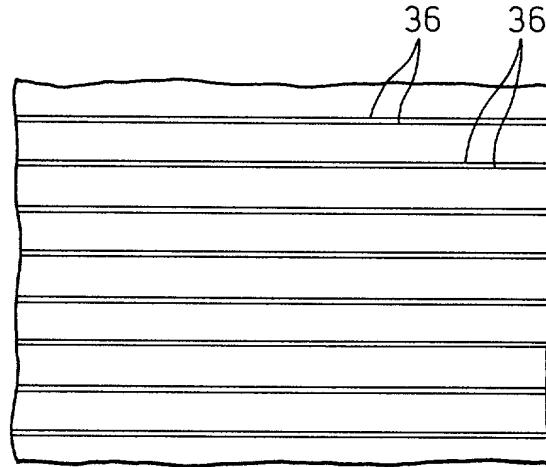
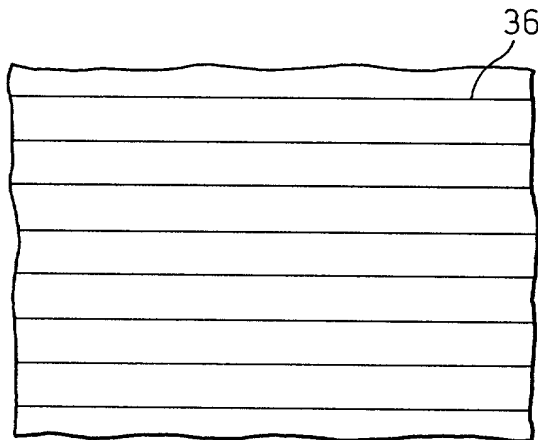


Fig.19



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Fig.20A

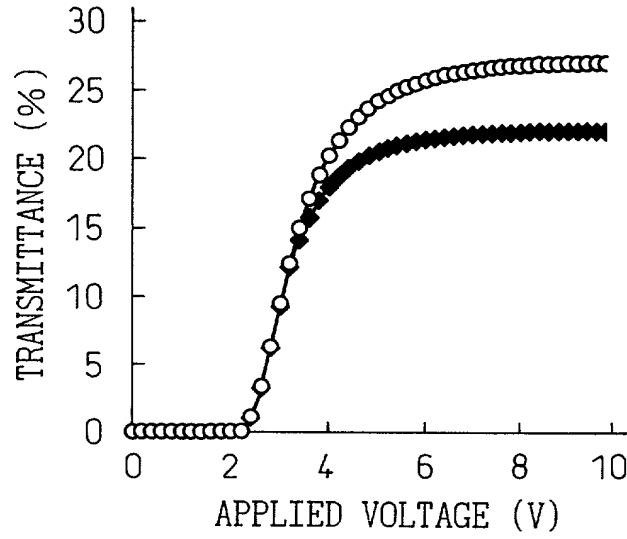
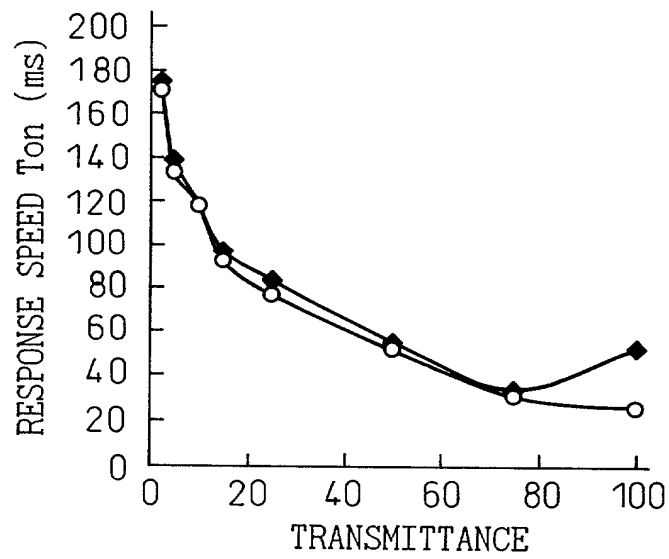


Fig.20B



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Fig.21

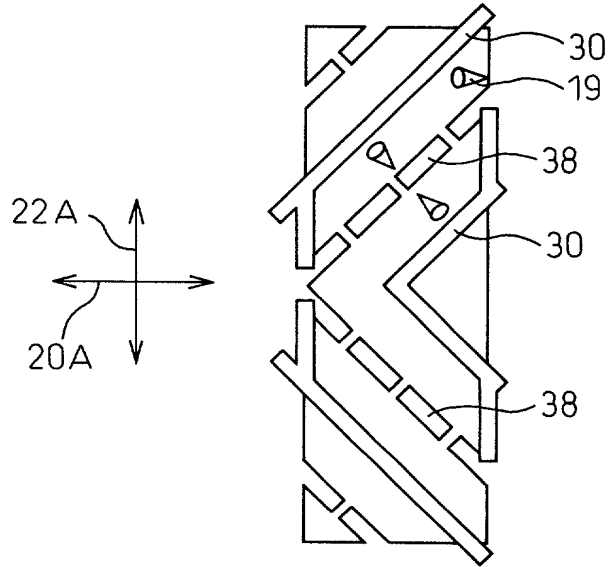
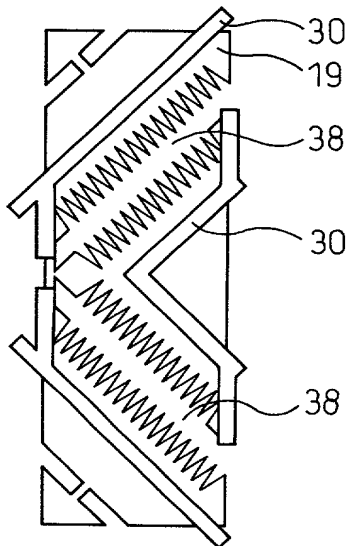


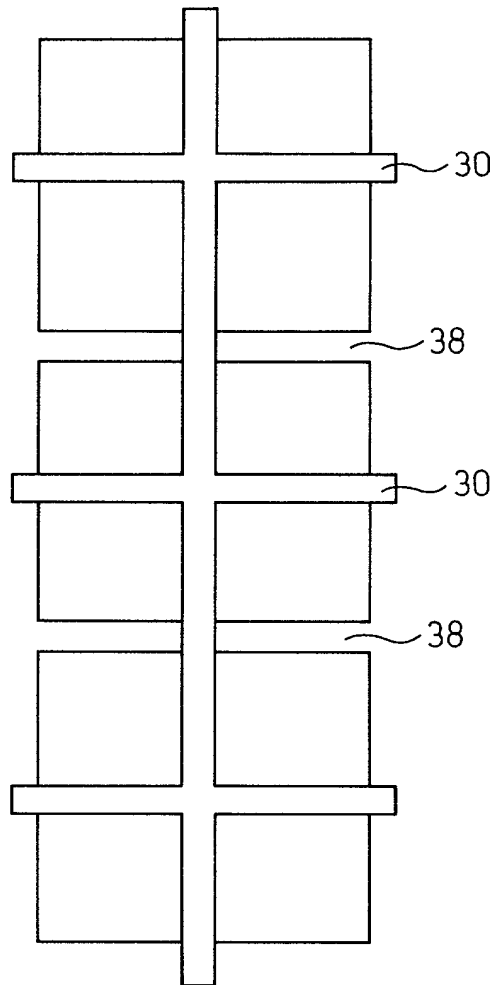
Fig.22



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Fig.23



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Fig.24

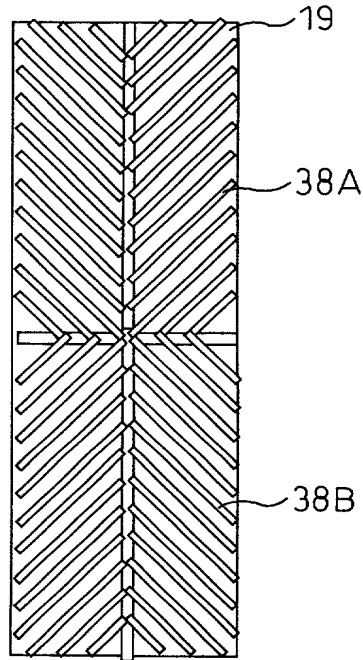
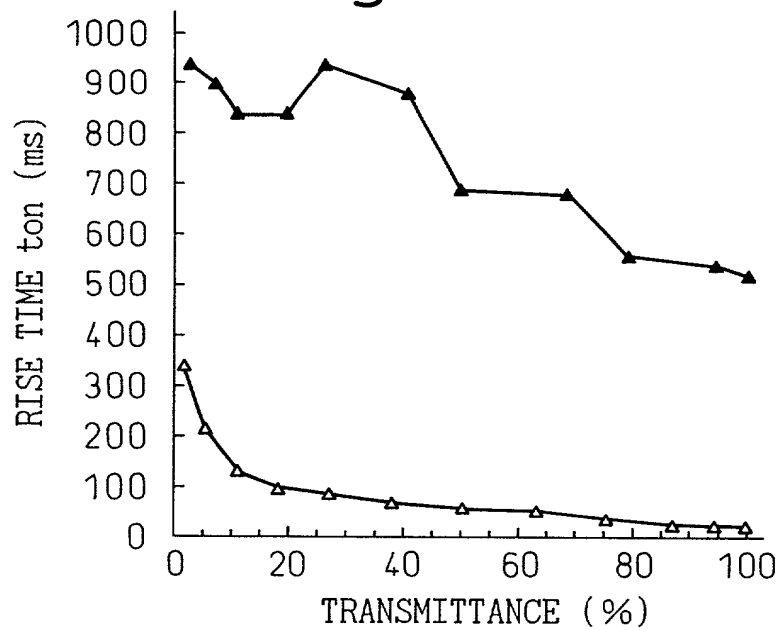


Fig.25



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Fig.26

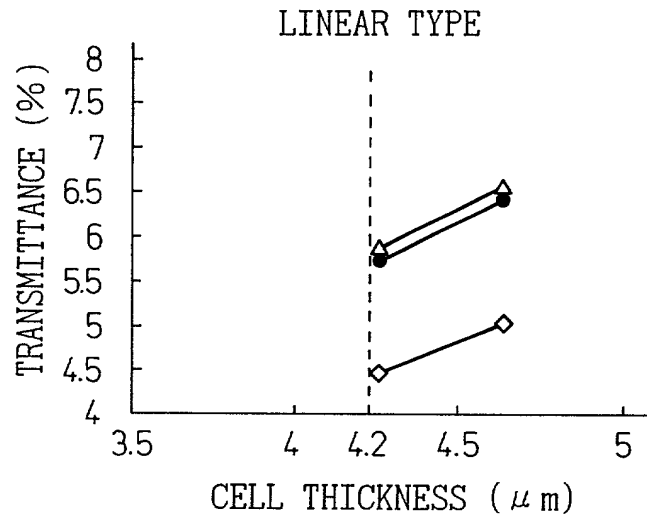
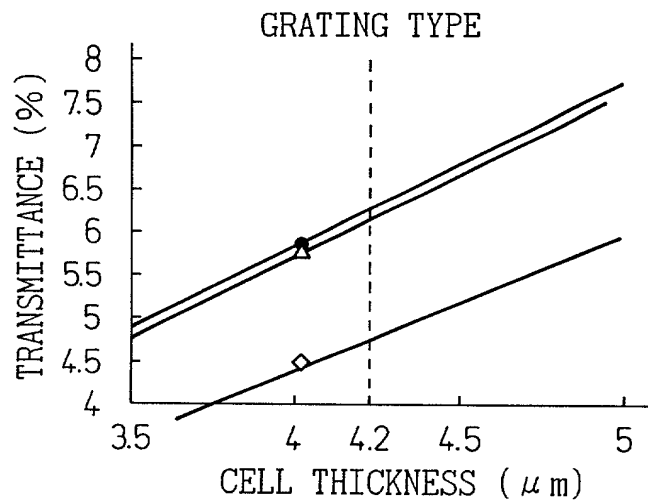


Fig.27



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Fig.28

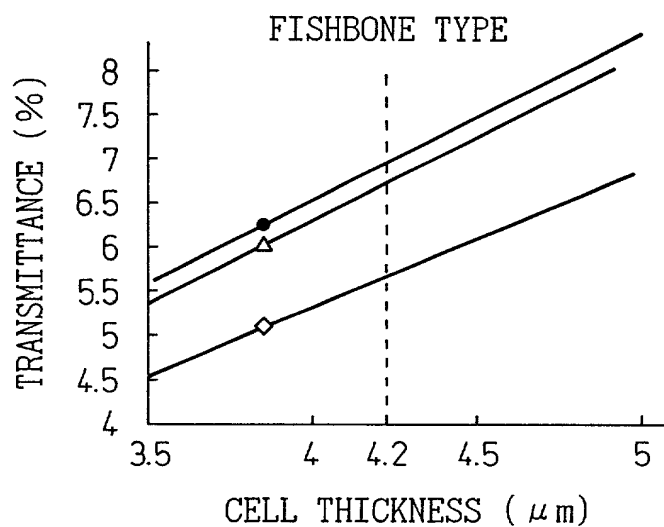
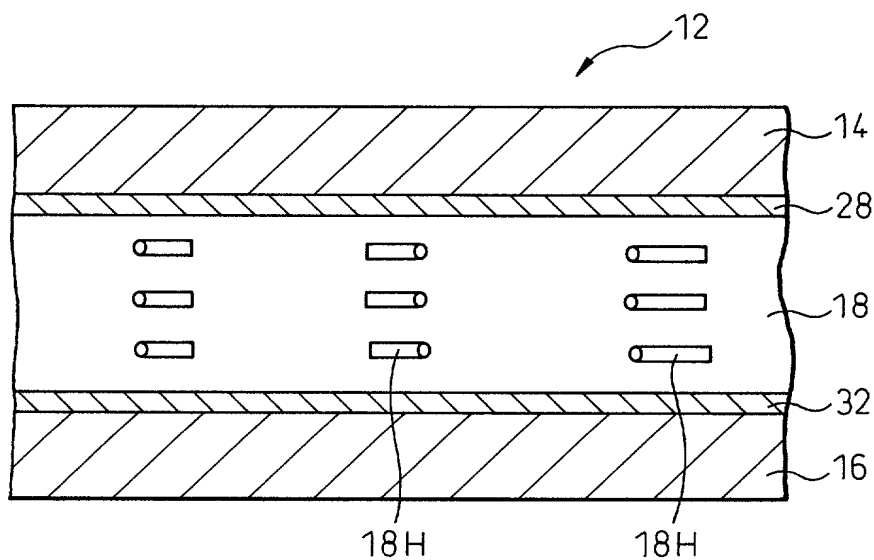
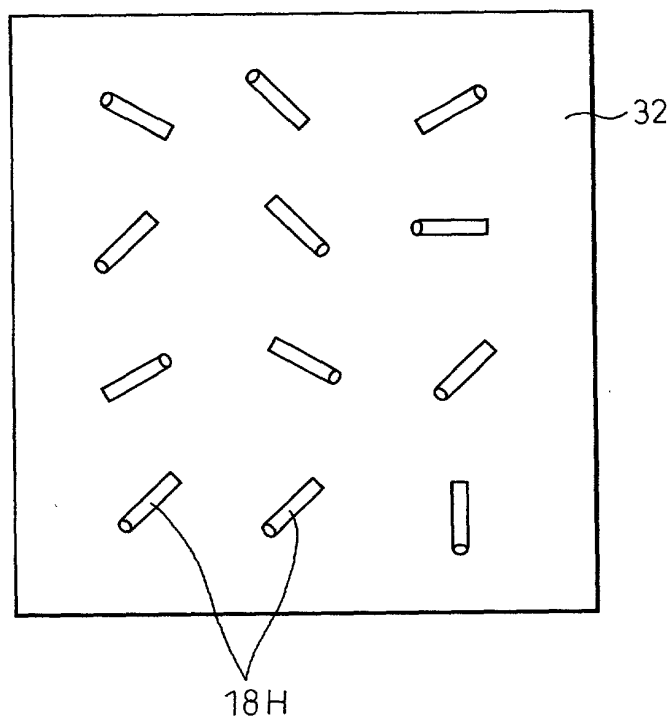


Fig.29



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Fig.30



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Fig.31

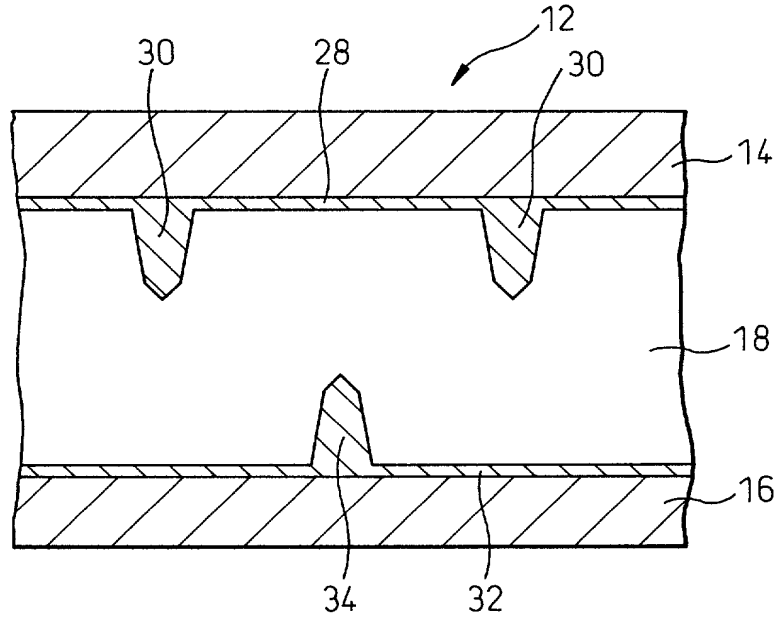
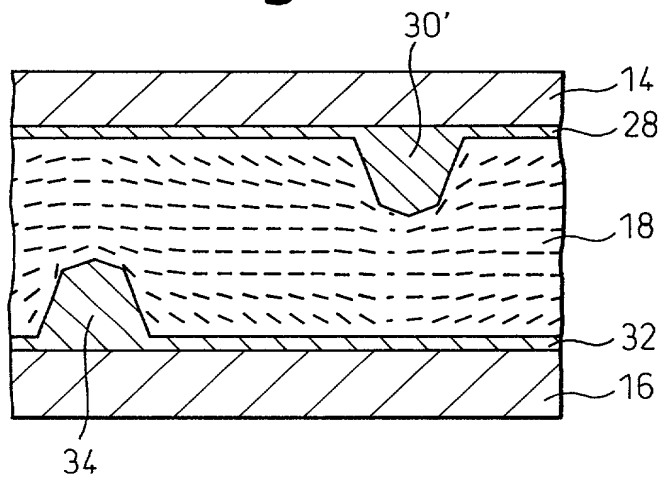


Fig.32



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Fig.33

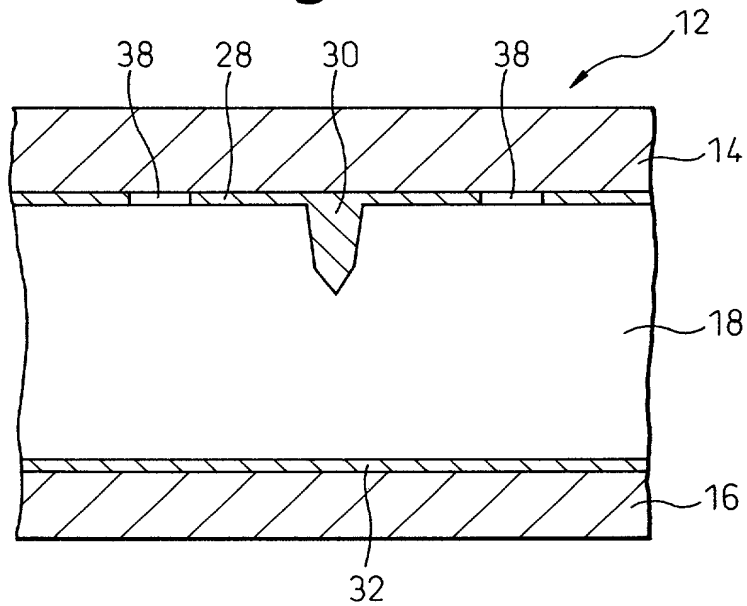
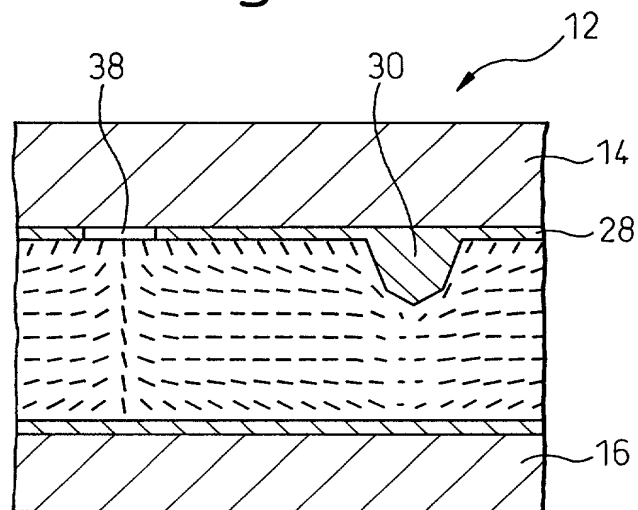


Fig.34



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Fig.35

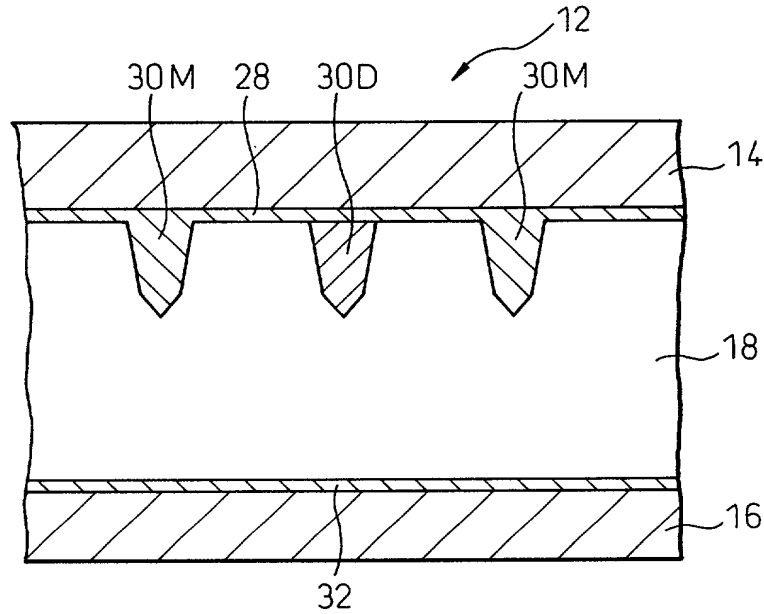
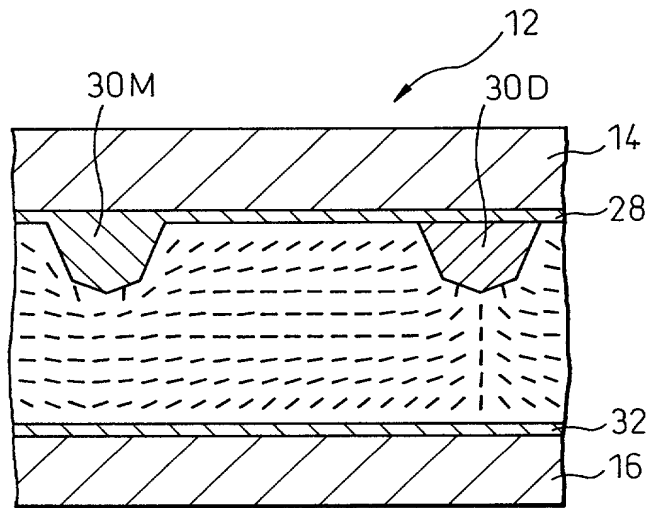


Fig.36



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Fig.37A

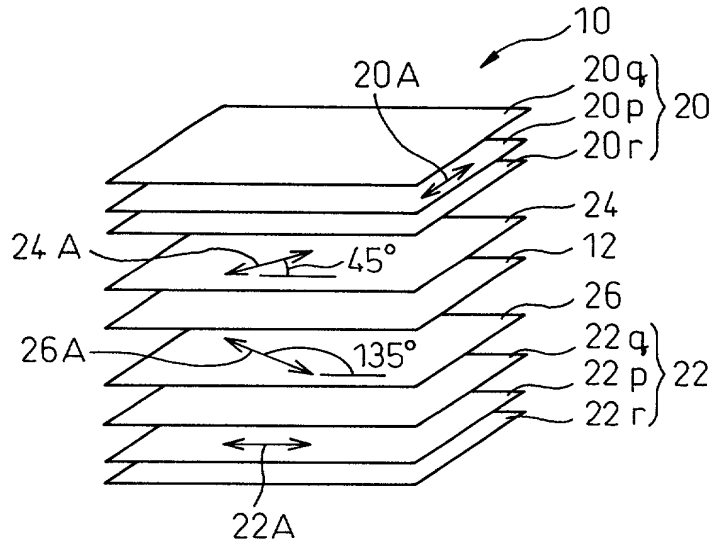


Fig.37B

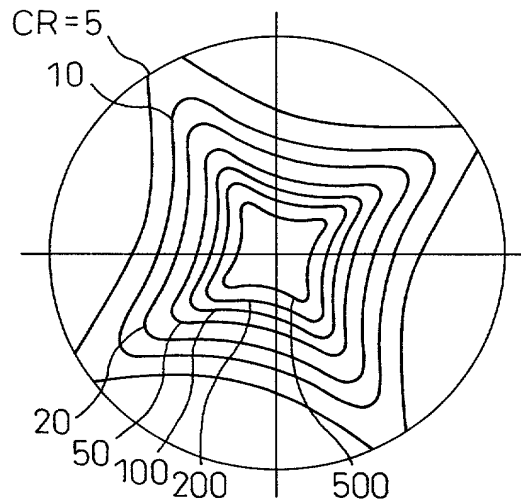
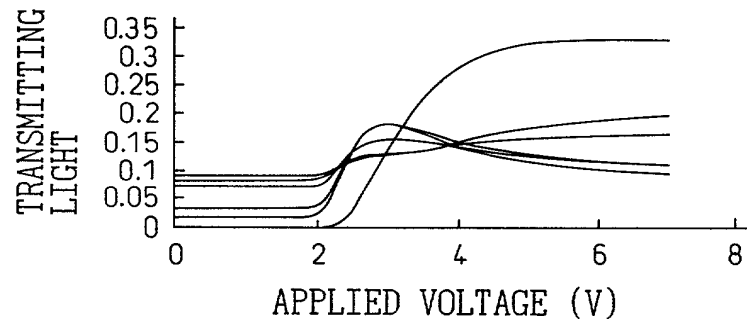


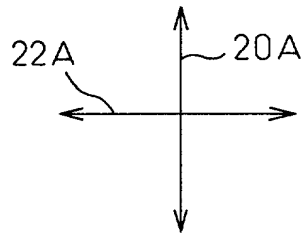
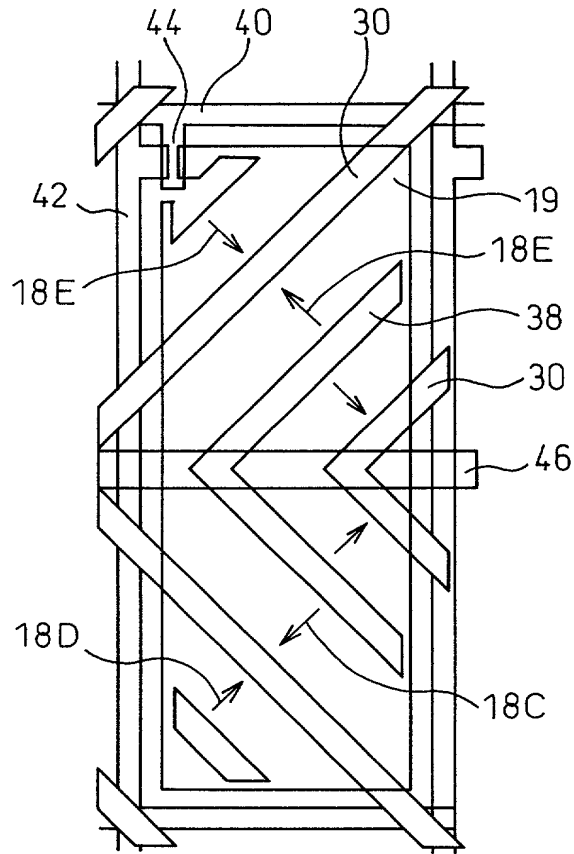
Fig.37C



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Fig.38



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Fig.39A

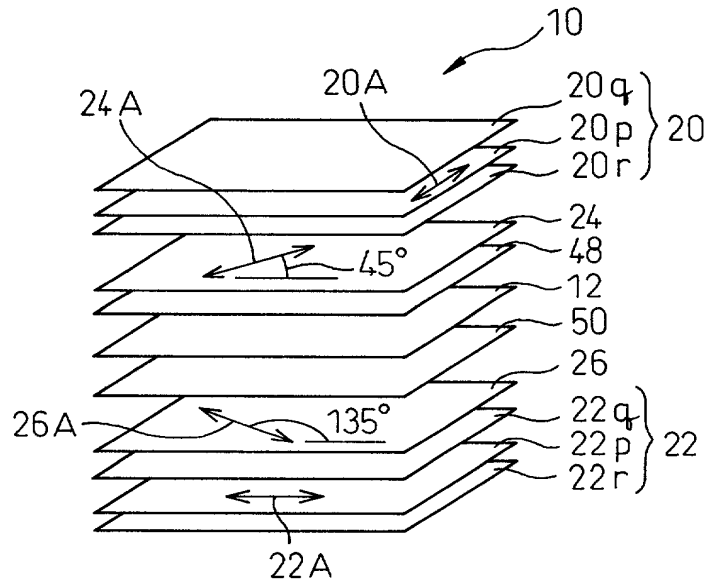


Fig.39B

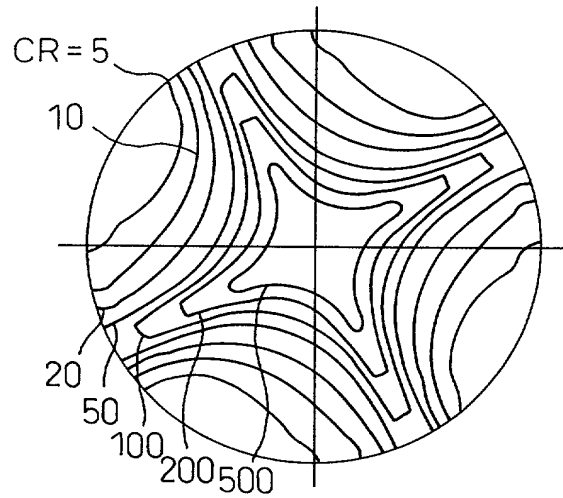
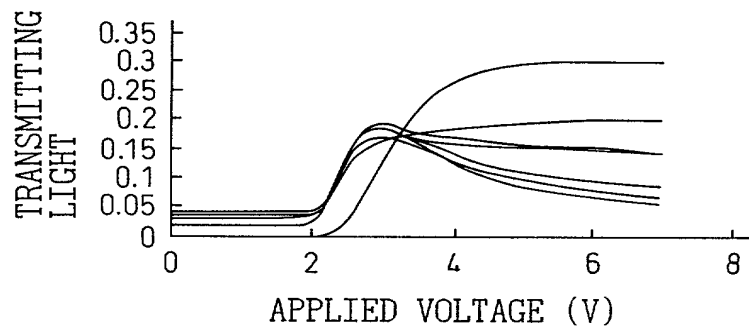
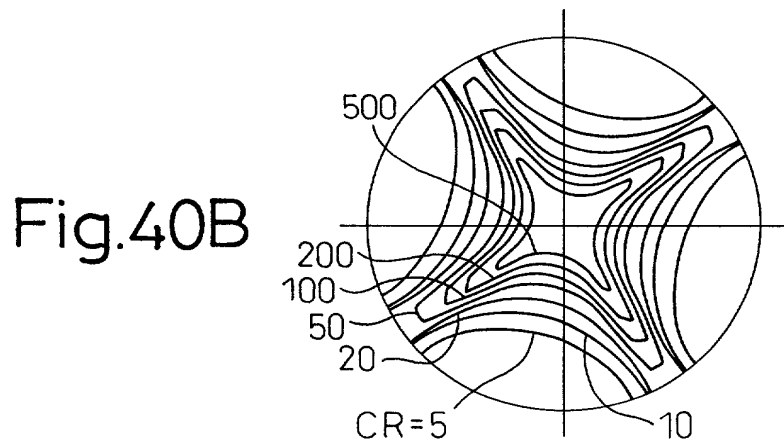
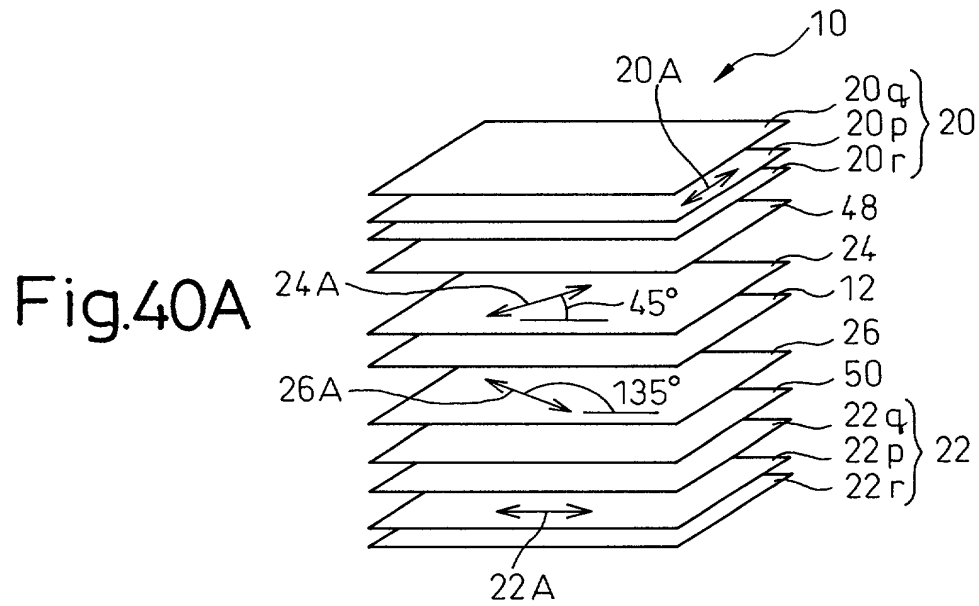


Fig.39C



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Fig.41A

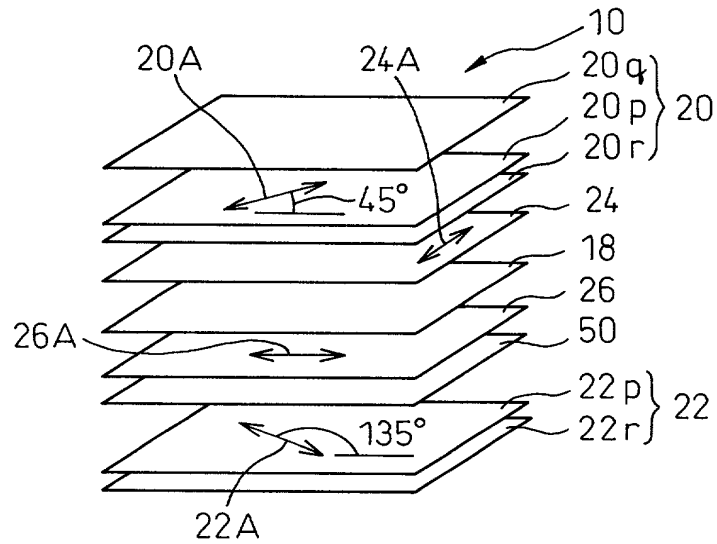


Fig.41B

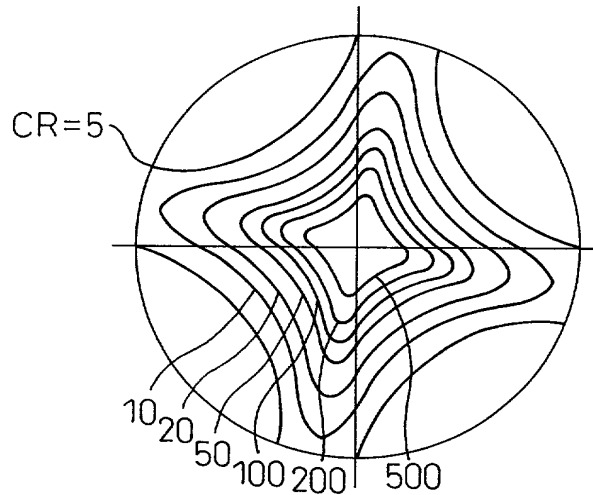
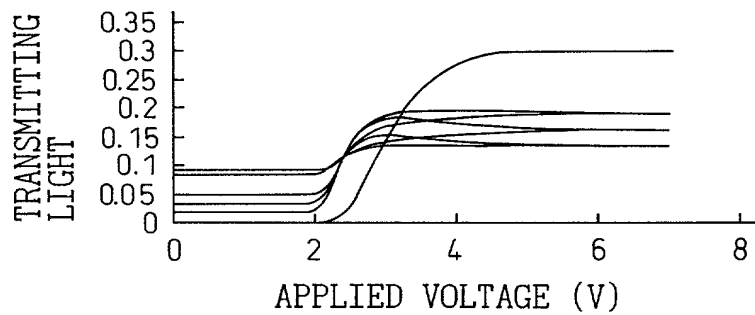


Fig.41C



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Fig.42A

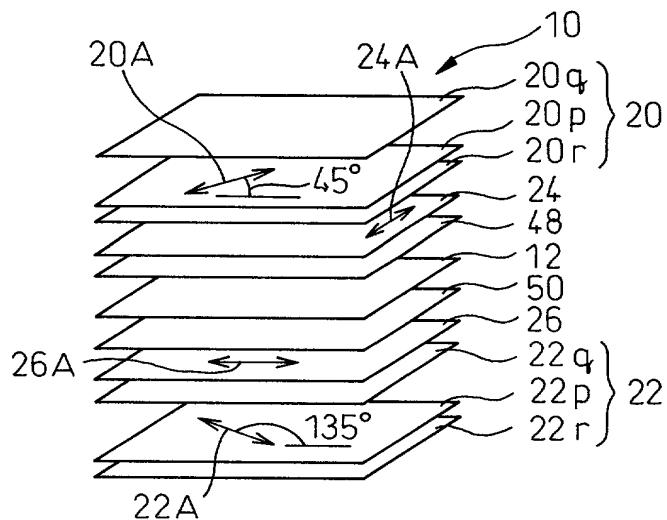


Fig.42B

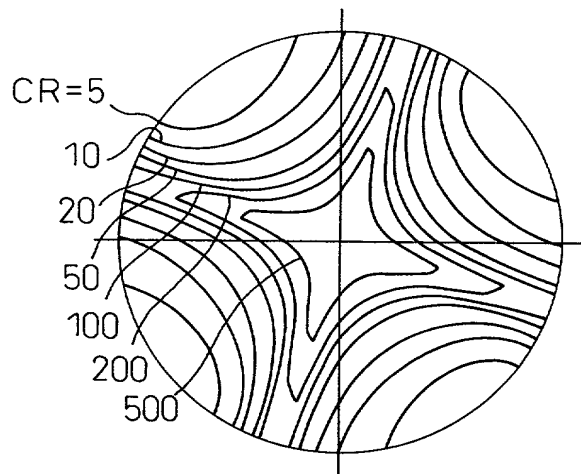
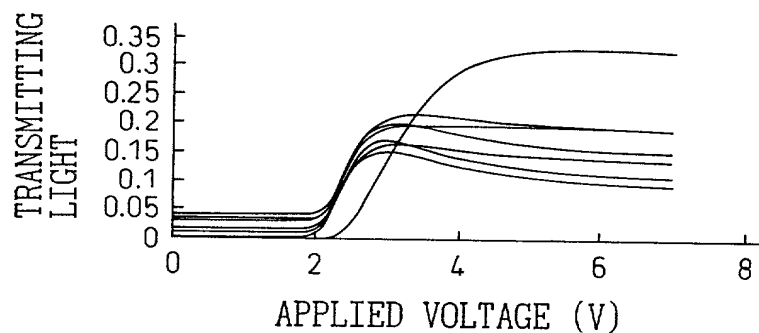


Fig.42C



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Fig.43A

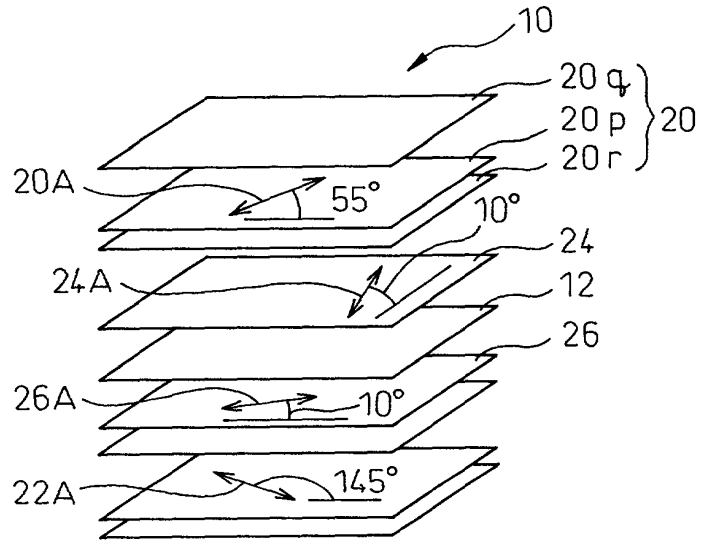


Fig.43B

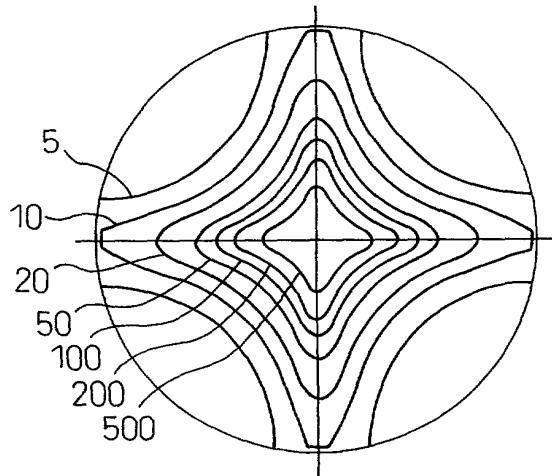
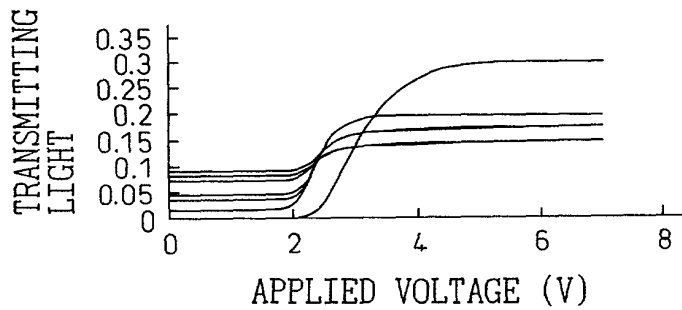


Fig.43C



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Fig.44A

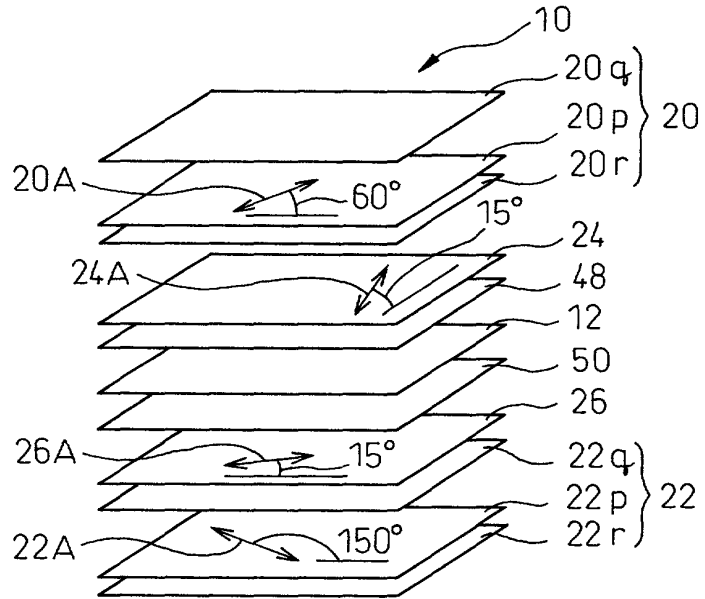


Fig.44B

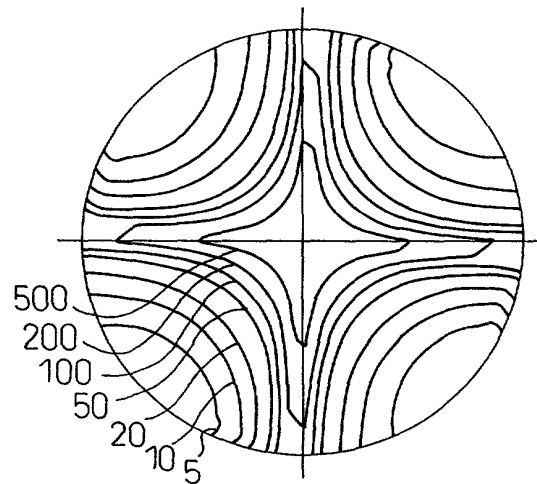
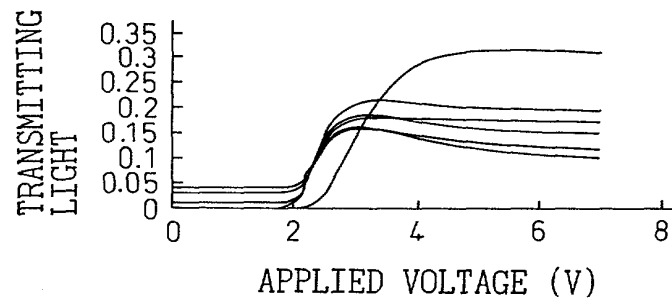


Fig.44C



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Fig.45A

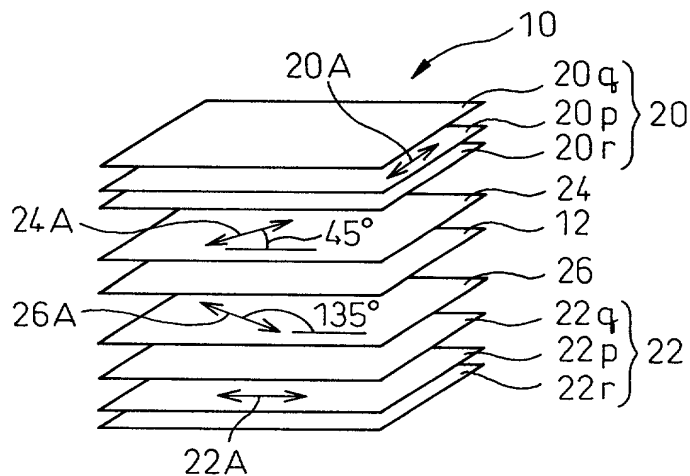


Fig.45B

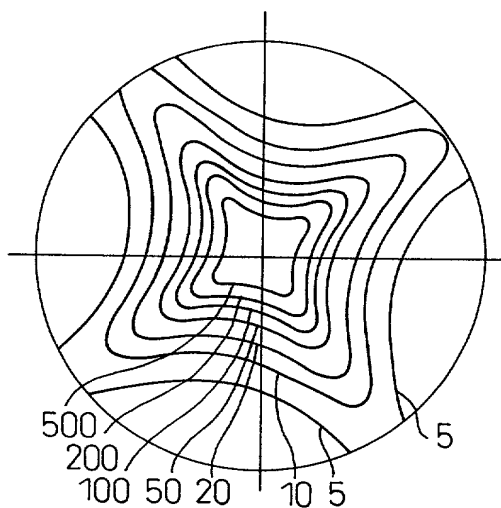
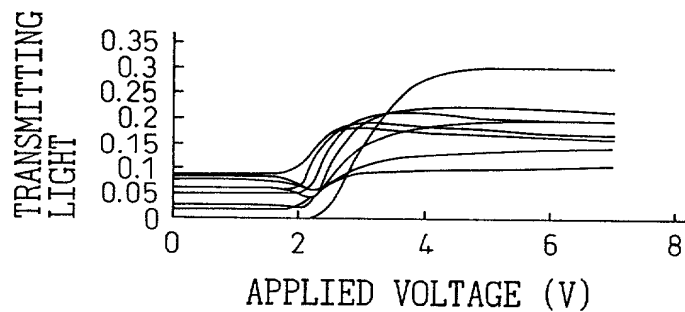


Fig.45C



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Fig.46A

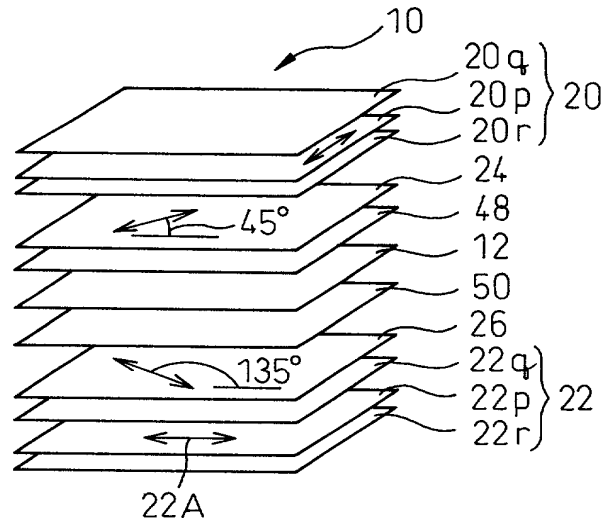


Fig.46B

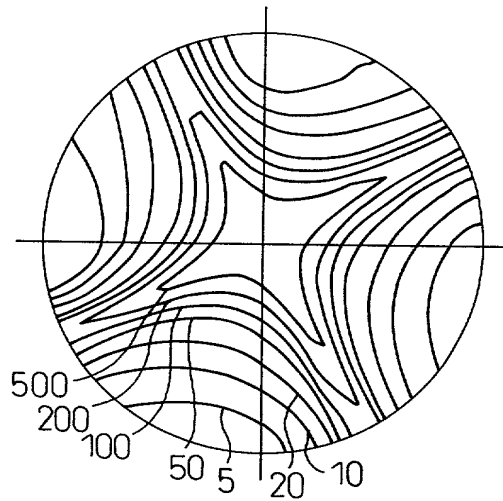
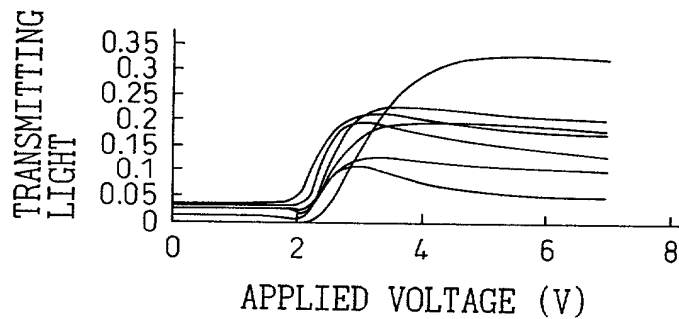


Fig.46C



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Fig.47A

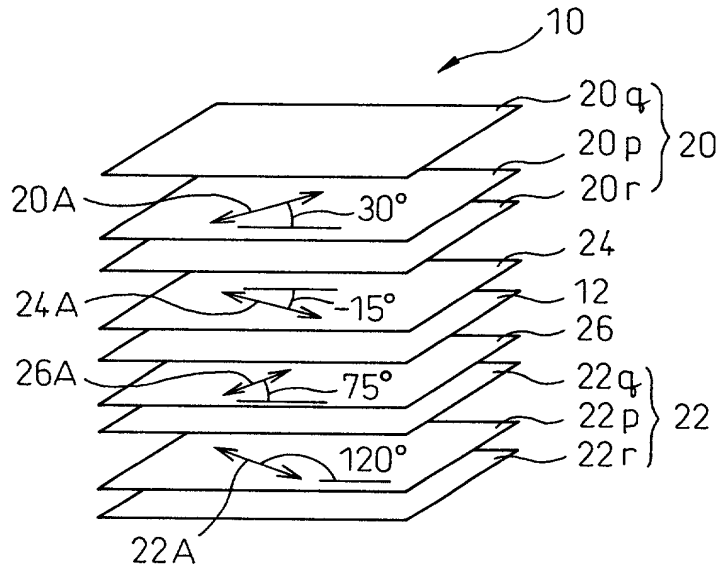
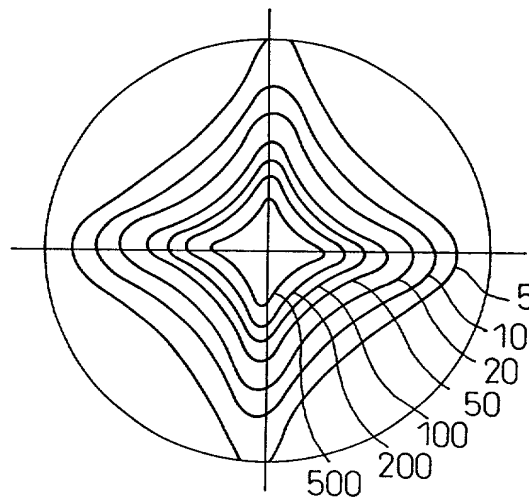


Fig.47B



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Fig.48A

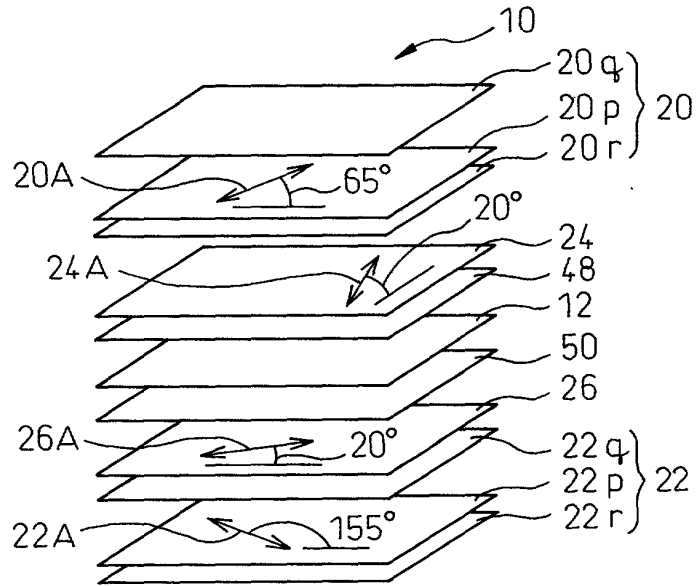


Fig.48B

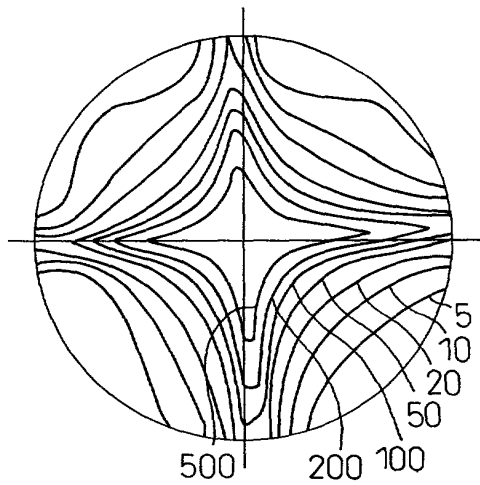
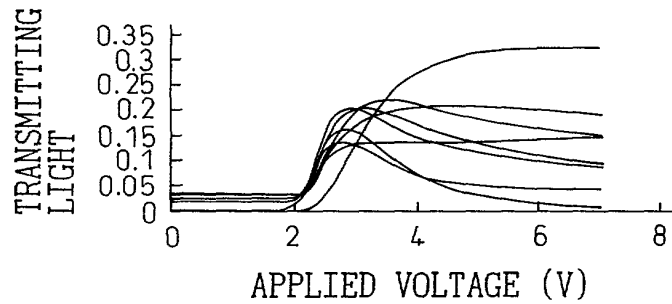


Fig.48C



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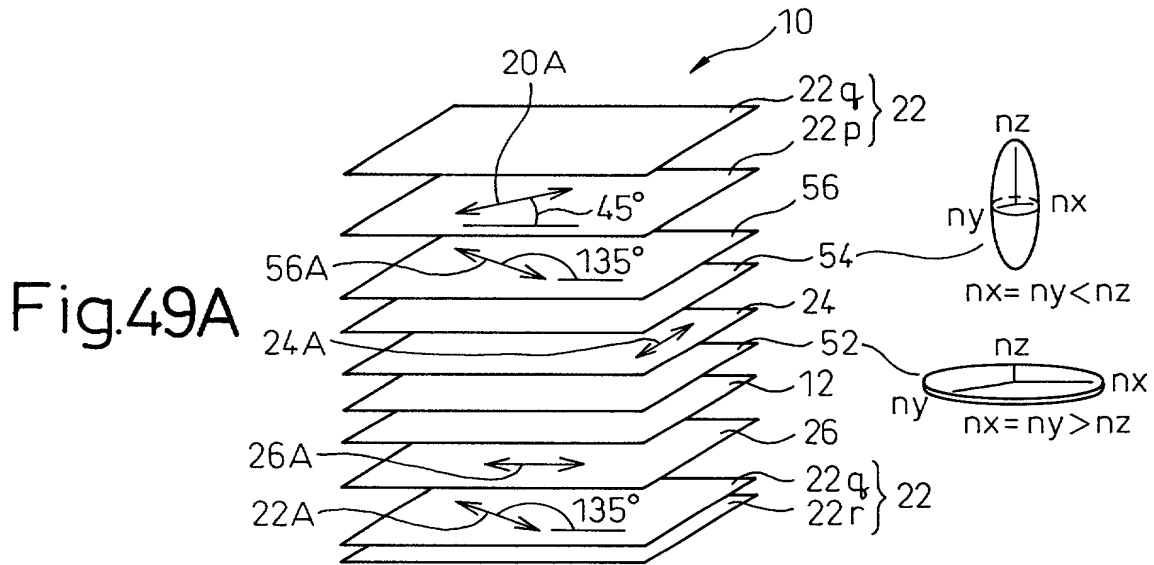


Fig.49B

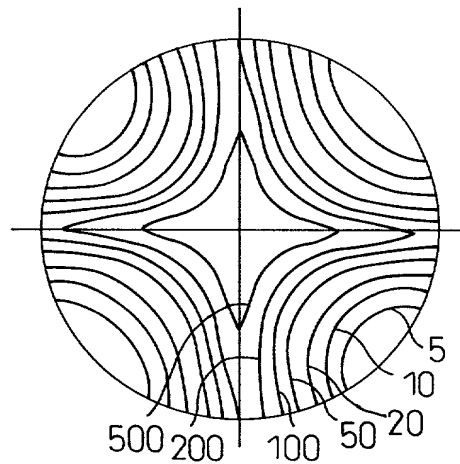


Fig.49C

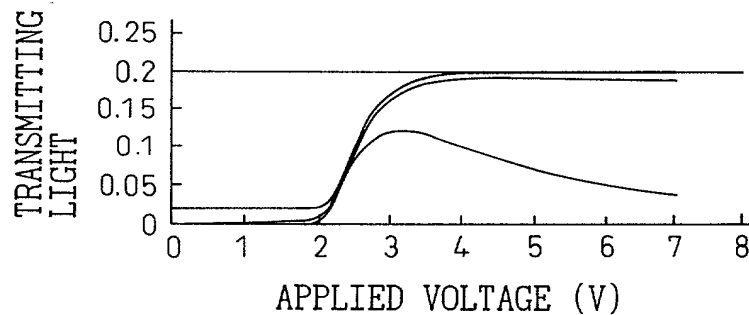


Fig.50A

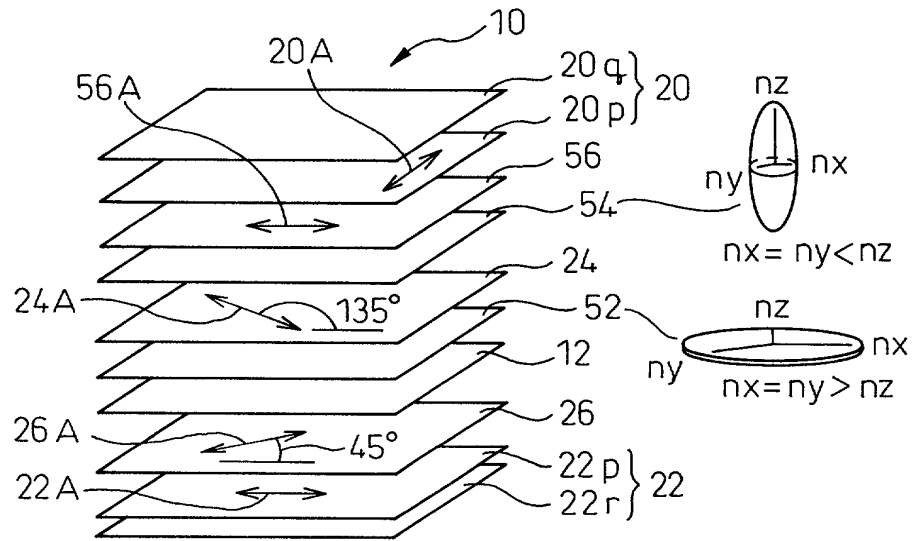


Fig.50B

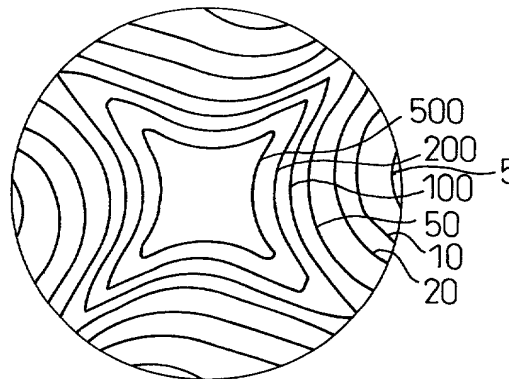
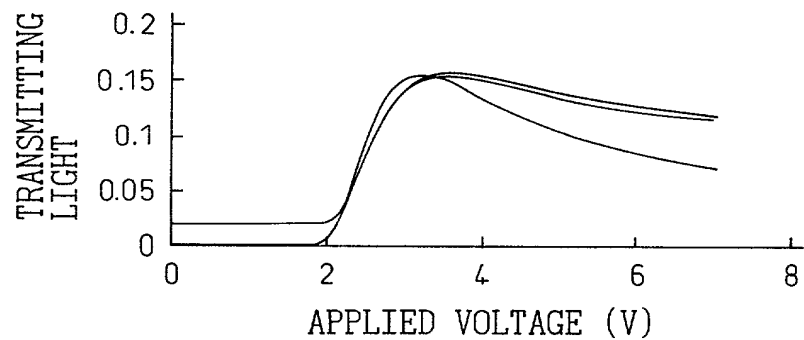


Fig.50C



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Fig.51A

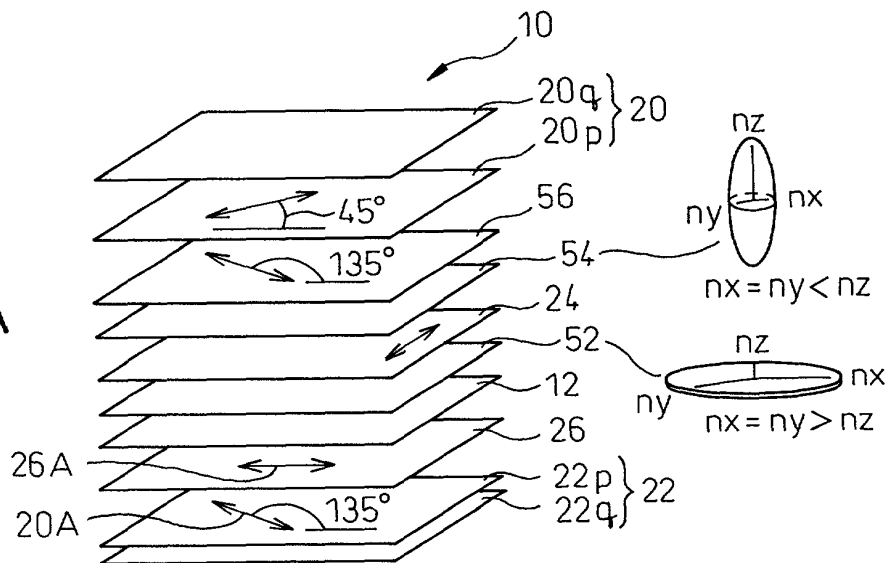


Fig.51B

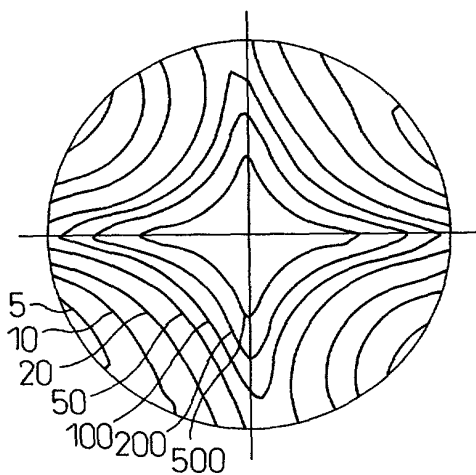
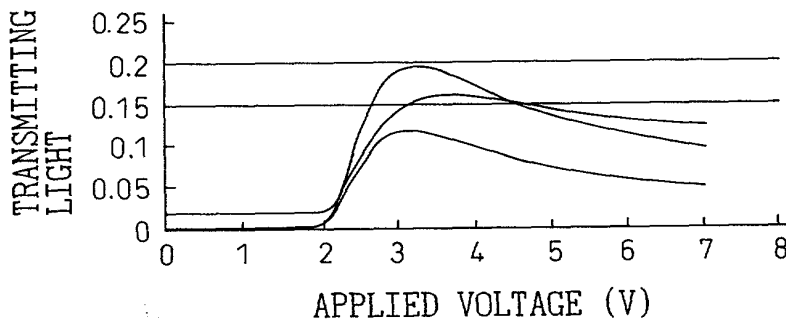


Fig.51C



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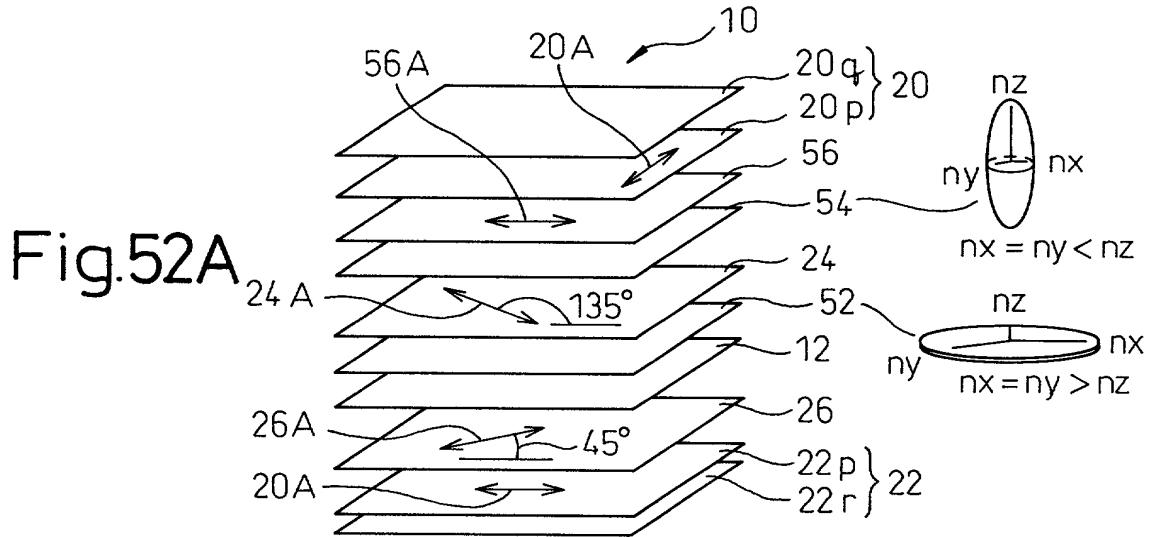


Fig.52B

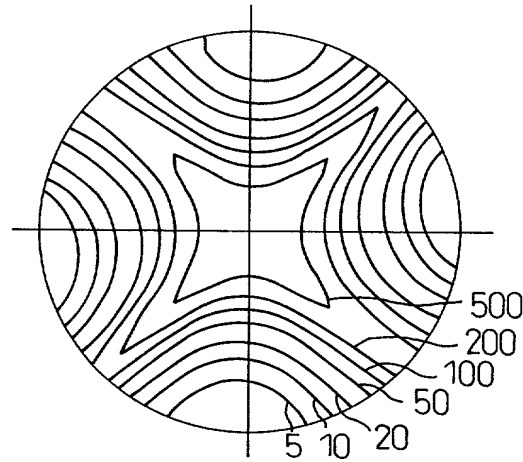
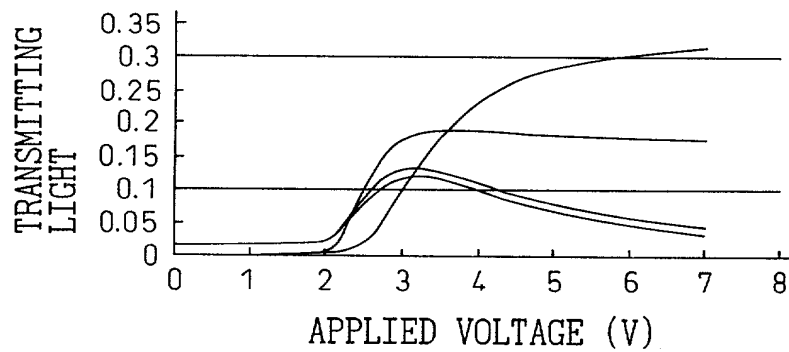


Fig.52C



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Fig.53A

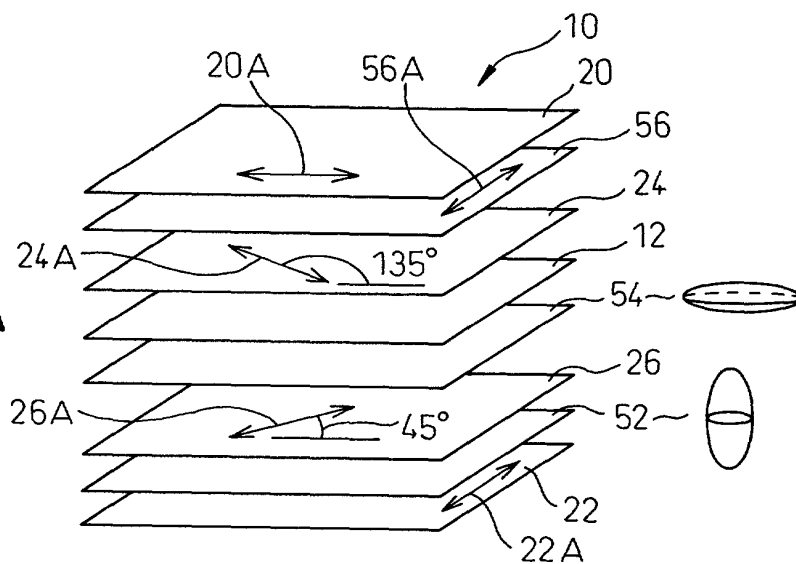
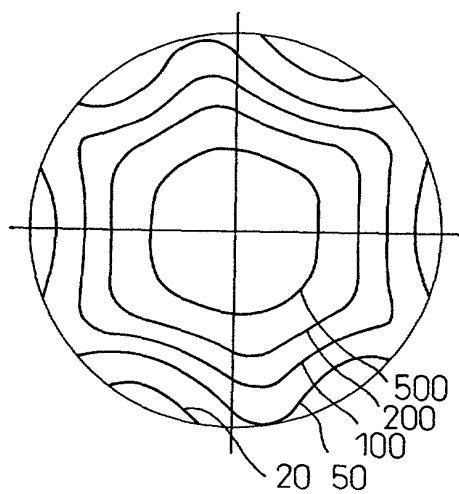


Fig.53B



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Fig.54

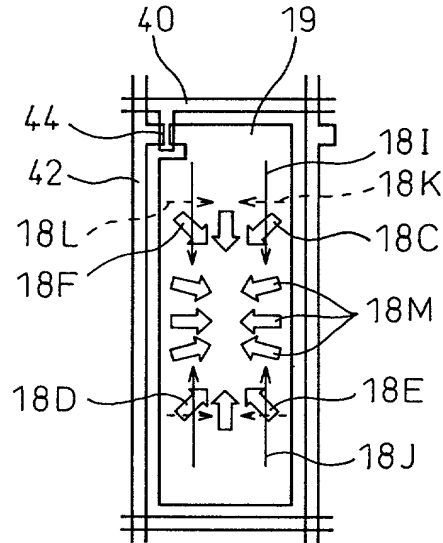
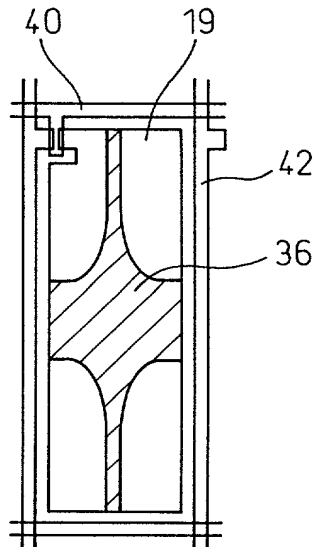


Fig.55



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Fig.56

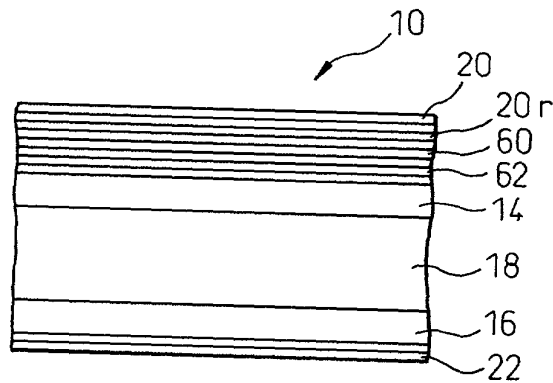


Fig.57A

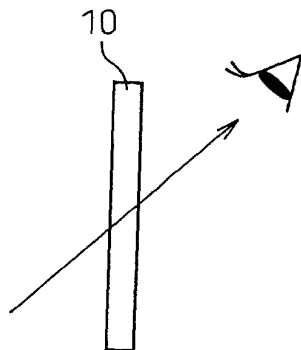
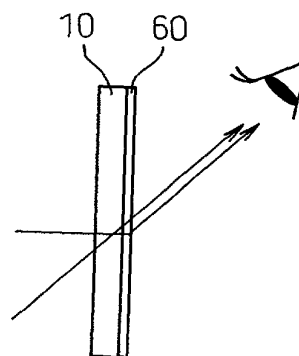


Fig.57B



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Fig.58A

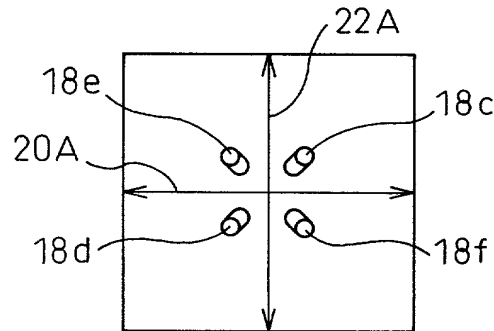


Fig.58B

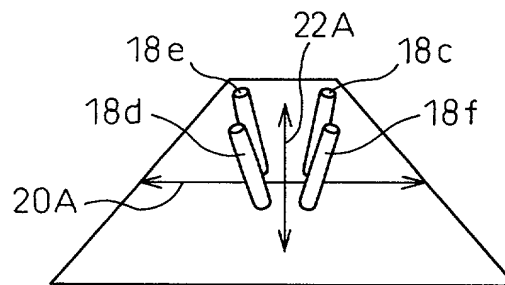
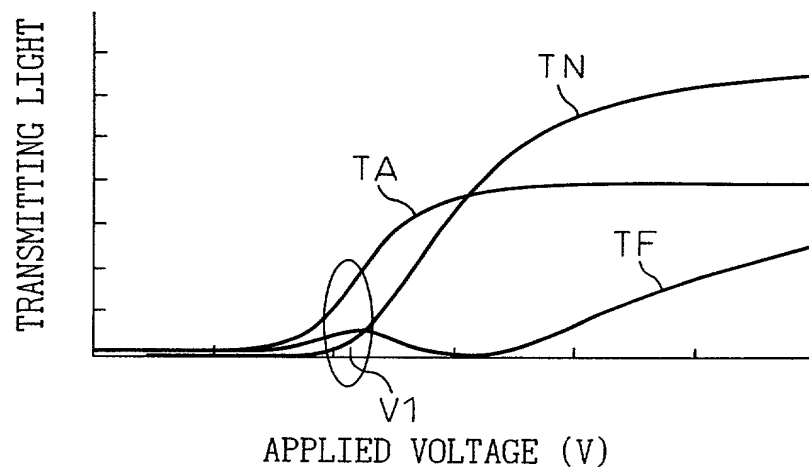


Fig.58C



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Fig.59

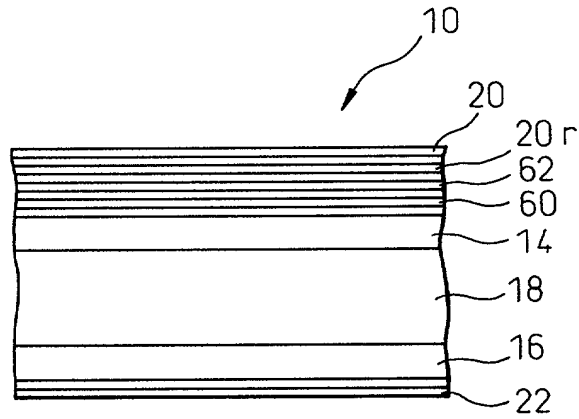
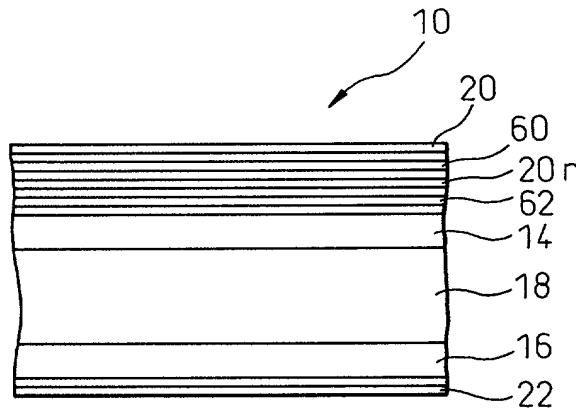


Fig.60



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Fig.61

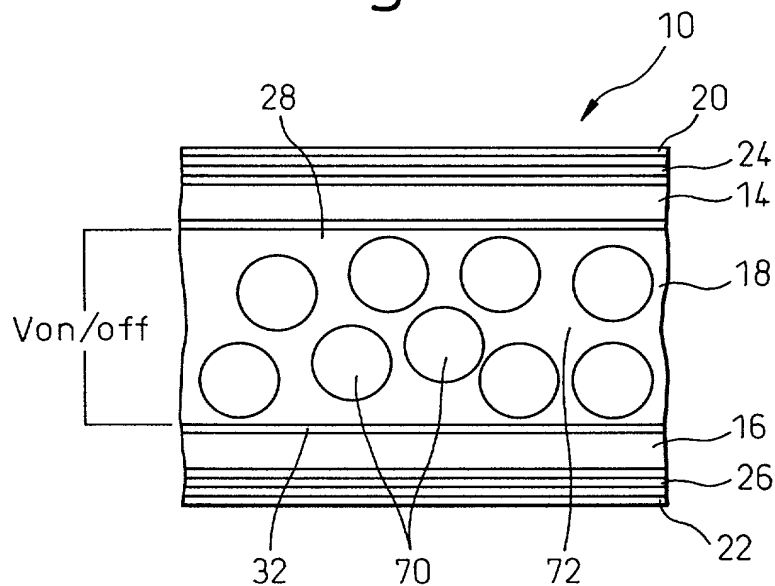
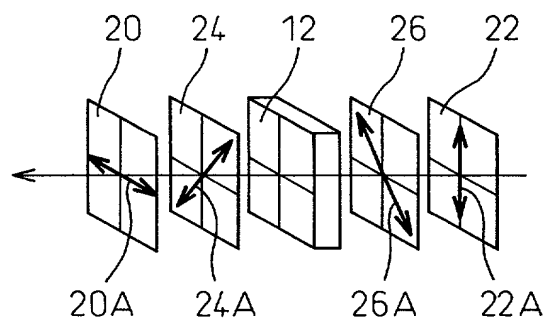


Fig.62



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Fig.63

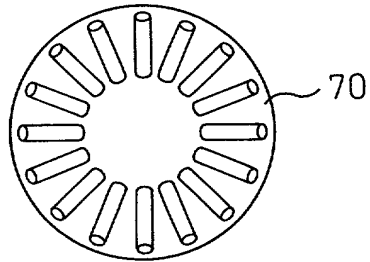


Fig.64

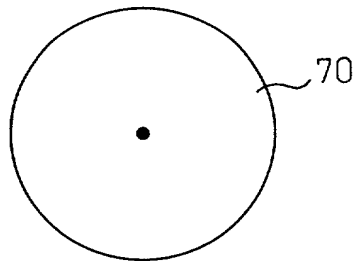
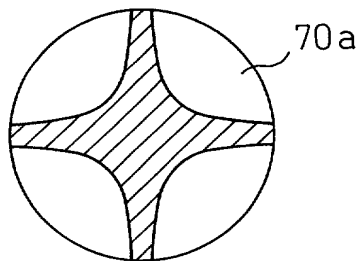


Fig.65



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A cross-sectional view of a multi-layered material 10. The material consists of a central core 12 and outer layers 18 and 20. The core 12 contains a repeating pattern of oval shapes 14 and wavy lines 16. The outer layers 18 and 20 are further divided into sub-layers 22, 24, 26, and 28. A bracket 74 indicates the repeating unit, and a bracket 76 indicates the wavy lines.

Diagram illustrating a square frame 20A. Eight arrows 24a are shown pointing outwards from the center of the square. The horizontal and vertical arrows are labeled 22A, and the diagonal arrows are labeled 26A. Two 45-degree angles are indicated between the horizontal and diagonal arrows.

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Fig.68

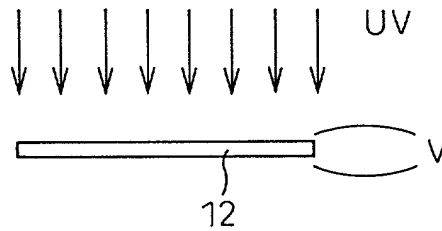
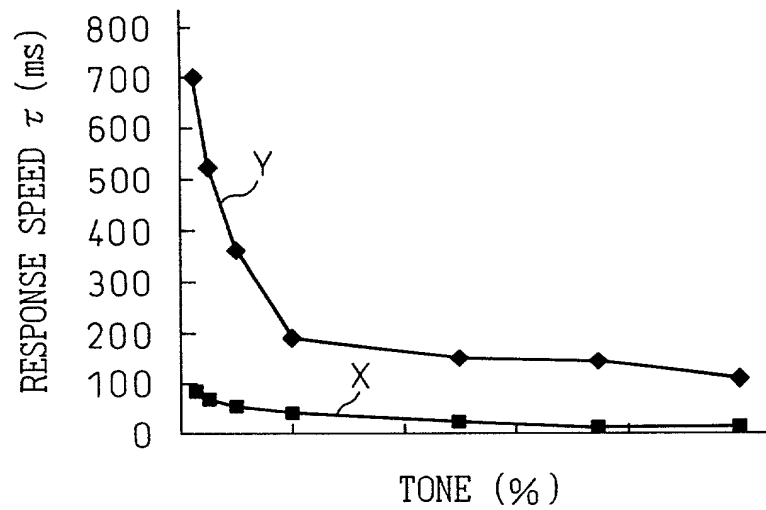


Fig.69



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Fig.70A

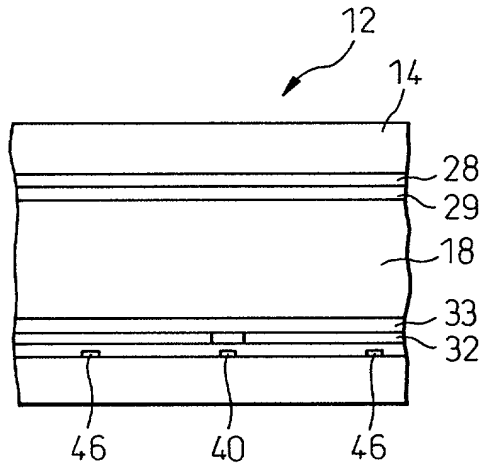


Fig.70B

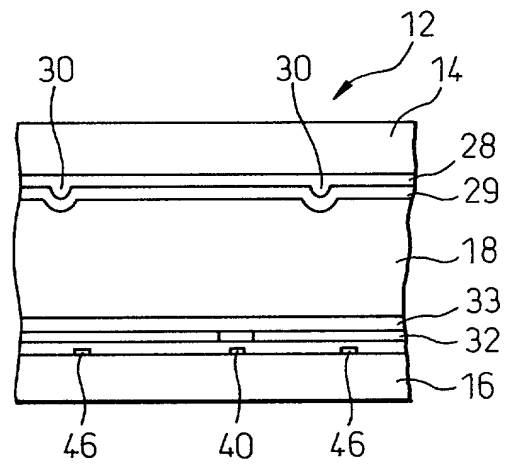


Fig.70C

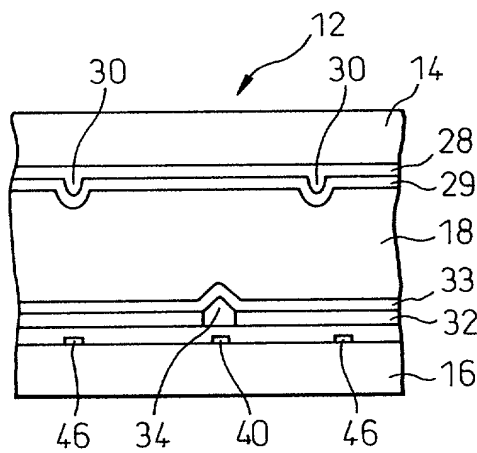
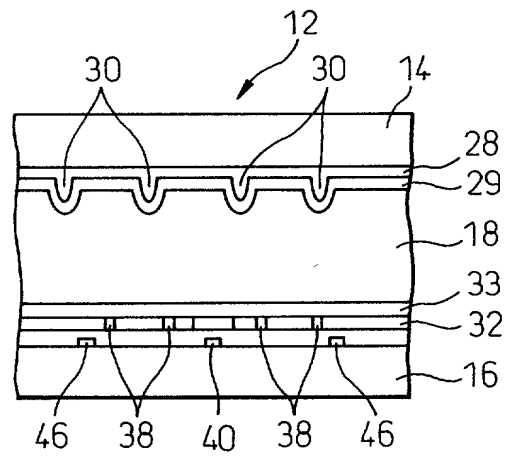


Fig.70D



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